



ESTADO LIBRE ASOCIADO DE
PUERTO RICO
Departamento de Salud

May 1, 2015

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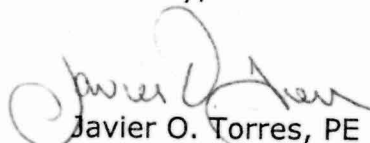
Annual Report FY - 14
Puerto Rico Drinking Water Division

Dear mister Kiselica:

Enclosed you will find a copy of the **Puerto Rico Drinking Water Division Annual Report - Fiscal Year 2014**. Most of the report requirements were already completed and submitted to EPA-Region II electronically in previous quarterly reports. Enclosed is a narrative report of the activities conducted during the FY-14 period by the Public Water Supply Supervision (PWSS) Program and the Drinking Water State Revolving Fund (DWSRF) Program.

If you have any question regarding this matter, please do not hesitate to contact us at (787) 777-0150/0151.

Cordially,


Javier O. Torres, PE
Director

Enclosure

C: Eng. José Font, CEPD; Eng. Nicole Kraft, EPA Reg II

U.S. ENVIRONMENTAL PROTECTION AGENCY
2015 MAY 19 11 4:10
DECA WATER CONTROL BRANCH

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Estado Libre Asociado de Puerto Rico
Departamento de Salud

FFY' 14 ANNUAL REPORT

PUERTO RICO DEPARTMENT OF HEALTH

AUXILIARY SECRETARIAT FOR
ENVIRONMENTAL HEALTH

DRINKING WATER DIVISION



Estado Libre Asociado de Puerto Rico
Departamento de Salud

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DRINKING WATER DIVISION

INTRODUCTION

Puerto Rico Department of Health (PRDOH) submits this document to the Environmental Protection Agency (EPA) as part of the federal Safe Drinking Water Act (SDWA) primacy requirements. This Annual Report contains the main activities performed throughout the Federal Fiscal Year '14 (FFY-14: October 2013 thru September 2014).

During this period, water reservoirs were adversely affected due to a lack of rainfall. Puerto Rico Aqueduct and Sewer Authority (PRASA), the main drinking water supplier, delineated an alternate water period supply in the north area of the island. Concurrently, PRDOH worked on an existing Water Rationing Emergency Protocol (*Protocolo de Racionamiento*) that was successfully implemented during a severe drought period in 1994. Fortunately, strategies or protocols were not implemented due to the beginning of a period of rainfalls.

Simultaneously with the drought period, PRASA employees were on strike for an intermittent period of time during 2014. Also, an existing PRDOH Emergency Monitoring and Surveillance Protocol was revised due to this situation.

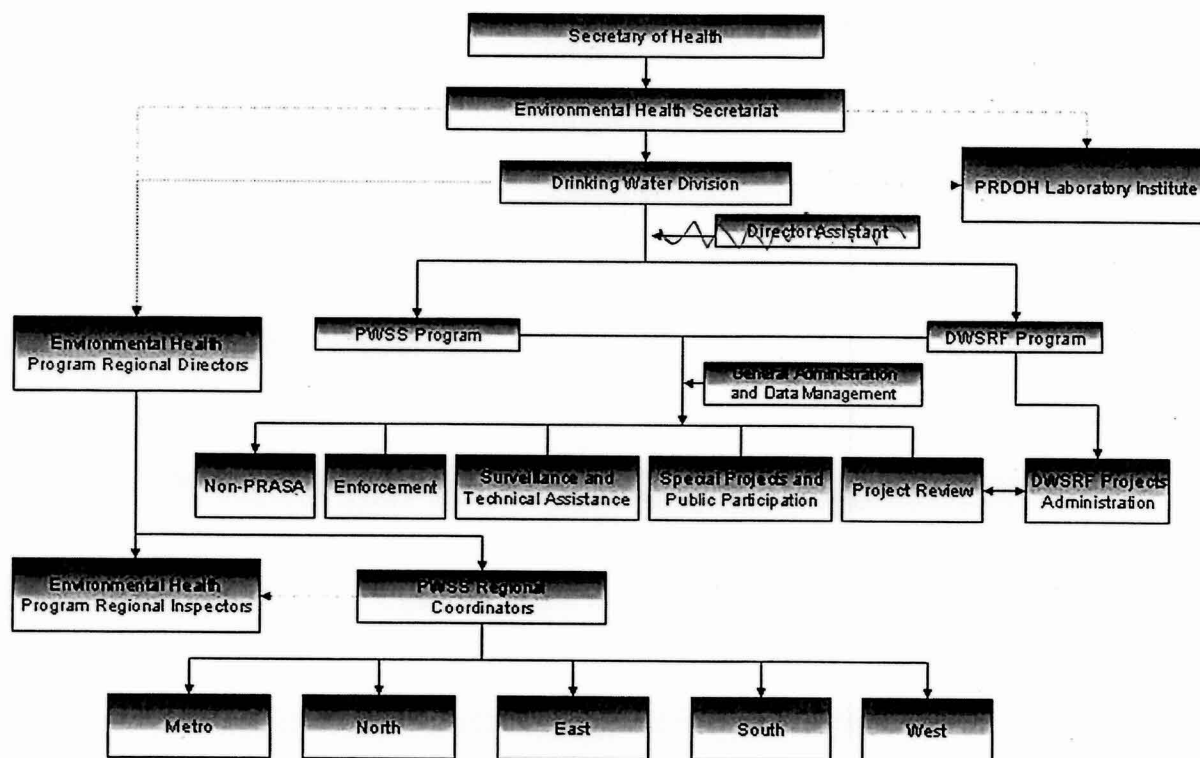
According with the Amended Settlement Agreement (ASA) between PRDOH and PRASA, a total of 15 Corrective Action Plans (deliverables), previously approved by PRDOH, were filed in Court through Joint Motions and approved by Court. These Plans become part of ASA.

According to the 2011 amendments of the Safe Drinking Water Act (SDWA), "Reduction of Lead in Drinking Water Act", effective on January 4, 2014, several joint efforts with the Department of Consumer Affairs (DACO), Permits Management Office (OGPe) and the College of Masters and Journeyman Plumbers of Puerto Rico were conducted in order to establish regulation for the prohibition of the use of certain plumbing products that are not "lead free" (as defined by SDWA), and makes it unlawful to introduce into commerce products that are not "lead free". Finally, an Administrative Order was issued by DACO. Also, a special Lead and Copper surveillance monitoring project was conducted in several systems from North Region during June, 2014.

Furthermore, on May, 2014, our Division celebrated the 20th Anniversary of the Drinking Water Seminar. In a joint effort with EPA and the American Water Works Association (AWWA-Puerto Rico Chapter), conferences and technical exposition on drinking water regulation, public health, water treatment technology and research were offered as part of our continuous education program.

The Puerto Rico Drinking Water Division is divided in two (2) Programs or (Grants): **Public Water Supply Supervision (PWSS)** and **Drinking Water State Revolving Fund (DWSRF)**. In order to achieve both Programs goals, several sections were established. An organization flowchart of the Division is below.

FIGURE 1: ORGANIZATIONAL FLOWCHART



As required, the activities described below are related to primacy revision applications and EPA approvals, drinking water regulations, monitoring: compliance and surveillance, compliance determination, enforcement actions, special projects, seminars, trainings, special reports, public participation, and program management, among others activities performed by the two Programs.

PUBLIC WATER SUPPLY SUPERVISION PROGRAM

PRIMACY REQUIREMENTS

EPA requires to PWSS Program to review and adopt all new regulations in order to the State obtain or retain the primacy of the drinking water regulations, as established in §1413 of SDWA and 40 Code of Federal Regulations (C.F.R.) Part 142.

The Revised Total Coliform Rule (RTCR) was promulgated on February 13, 2013 (78 Federal Register 10269, Vol.78, No. 30). The purpose of this rule is to increase public health protection through the reduction of potential pathways of entry for fecal contamination into distribution systems.

During FY'14, PWSS Program was involved in the preparation of the final primacy program revision package in order to submit to EPA Region II by February 13, 2015. Rule requirements, guidelines and other documents were evaluated and reviewed. Also, several webinars and conferences about RTCR were taken by the enforcement personnel.

ENFORCEMENT RESPONSE POLICY (ERP) ENFORCEMENT TARGETING TOOL (ETT)

The new EPA enforcement approach, known as Enforcement Response Policy (ERP)/Enforcement Targeting Tool (ETT) replaces the existing contaminant by contaminant compliance strategy with one that focuses on the drinking water systems with the most serious or repeated violations. This new approach uses a targeting tool/formula as a model for escalating responses to violations in a timely and appropriate response. This new strategy brings the systems with the most significant violations to the top of the list for enforcement actions in states. The ETT enables the prioritization of the public water (PWS) by assigning each violation a "weight" or number of points based on the assigned threat to public health. Points for each violation of a water system are summed to provide a total score for that PWS. A PWS that incurs in a system score of 11 points or greater is considered as in significant noncompliance with the NPDWR and is subject to the appropriate enforcement actions.

*THE SAFE DRINKING
WATER ACT (SDWA)
IS THE MAIN
FEDERAL LAW THAT
ENSURES THE
QUALITY OF
DRINKING WATER.
UNDER SDWA, EPA
SETS STANDARDS
FOR DRINKING
WATER QUALITY AND
OVERSEES THE
STATES, LOCALITIES,
AND WATER
SUPPLIERS WHO
IMPLEMENT THOSE
STANDARDS.*

According to ERP/ETT lists submitted by EPA during FY-14, the total number of systems with score equal or above 11 were:

TABLE 1: PUERTO RICO ETT SCORE					
SYSTEM GROUP	ETT CRITERIA	DATE			
		OCT 2013	JAN 2014	APR 2014	JUL 2014
Aqueduct and Sewer Authority (PRASA)	Systems Score \geq 11	19	21	14	37
	Total Points	1081	1146	937	1299
NON PRASA Private Entity Owned	Systems Score \geq 11	11	11	10	10
	Total Points	290	291	313	286
NON PRASA Community Owned	Systems Score \geq 11	128	134	141	122
	Total Points	6987	7133	7578	6909

PRASA SUMMARY COMPLIANCE

The PWSS Program Enforcement Section is responsible for supervising PRASA system's regulation compliance. Compliance determination and enforcement actions are based on the revision of compliance monitoring results submitted by PRASA, inspections, sanitary surveys and other surveillance activities.

By FY-14, the total of PRASA systems was 170 (107 surface and 63 ground water systems). A total of 119 filtration plants were in operation. The following tables summarize PRASA compliance during FY-14 by contaminant group.

TABLE 2: FY-14 PRASA SUMMARY COMPLIANCE				
CONTAMINANT GROUP OR RULE REQUIREMENT	NUMBER OF SYSTEMS/FILTRATION PLANTS UNDER RULE	VIOLATION TYPE (COMPLIANCE DETERMINATION FREQUENCY)	SYSTEMS WITH 4 OR MORE VIOLATIONS DURING FY-14	SYSTEMS WITH 1, 2 OR 3 VIOLATIONS DURING FY-14
Bacteriology	All systems	Maximum Contaminant Level (Monthly)	0	19
		Monitoring/Reporting (Monthly)	1	23
Turbidity	107 surface systems; 119 filtrations plants	Treatment Technique (Monthly)	0	7
		Monitoring/Reporting (Monthly)	0	1
Total Trihalomethanes (TTHMs) (Compliance based on Stage 2 DBPR)	All systems (Compliance for systems under Groups 1, 2 and 3)	Maximum Contaminant Level based on Locational Running Annual Average (Quarterly)	4	8

CONTAMINANT GROUP OR RULE REQUIREMENT	NUMBER OF SYSTEMS/FILTRATION PLANTS UNDER RULE	VIOLATION TYPE (COMPLIANCE DETERMINATION FREQUENCY)	SYSTEMS WITH 4 OR MORE VIOLATIONS DURING FY-14	SYSTEMS WITH 1, 2 OR 3 VIOLATIONS DURING FY-14
Haloacetic Acids (HAA5) (Compliance based on Stage 2 DBPR)	All systems (Compliance for systems under Groups 1, 2 and 3)	Maximum Contaminant Level based on Locational Running Annual Average (Quarterly)	4	5
Total Organic Carbon (TOC)	113 conventional filtrations plants	TOC Removal Ratio-treatment technique based on Running Annual Average (Quarterly)	4	17
Nitrates	All systems	Maximum Contaminant Level (Quarterly)	0	0
IOC, except Nitrates	All systems	Maximum Contaminant Level (Quarterly based on Running Annual Average)	0	0
VOC	All systems	Maximum Contaminant Level (Quarterly based on Running Annual Average)	0	0
SOC	All systems	Maximum Contaminant Level (Quarterly based on Running Annual Average)	0	0
RADS	All systems	Maximum Contaminant Level (Quarterly based on Running Annual Average)	0	0
RULE OR REQUIREMENT	COMPLIANCE		COMMENTS	
Consumer Confidence Report (CCR)	All systems have to prepare, deliver and submit the CCR 2013 to the consumers and State by July 1 st , 2014.		PRASA's CCR 2013 was delivered and/or State submitted after July 1 st 2014. A notice of violation was issued.	
Lead and Copper (L & C)	Compliance with Action Levels (AL) (Biannual o Annual)		Three (3) systems exceed the lead and/or copper action levels. Desktop evaluations and compliance with the water quality parameters were requested.	
	Compliance with Treatment Techniques (TT) (Annual)		14 systems were in corrosion control treatment.	

Note: Turbidity requirements are applicable only to filtration plants. Total Organic Carbon (TOC) removal requirements are applicable only to conventional filtration plants.

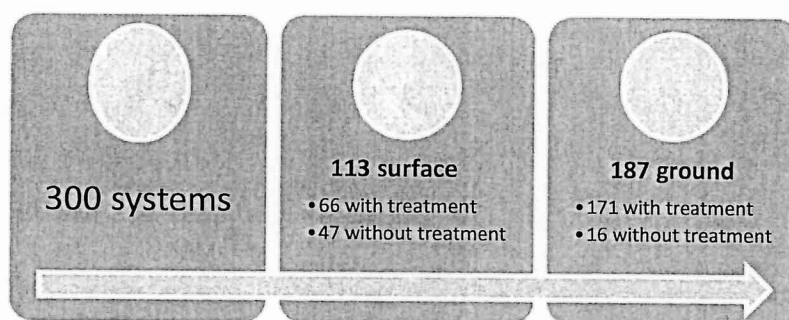
NON PRASA SUMMARY COMPLIANCE

The Non PRASA Section has been designated to provide assistance to Non PRASA systems (systems not operated by PRASA). There are 300 Non PRASA systems (247 community systems, 46 Non Transient-Non Community and 7 Transient-Non Community). The Non PRASA systems represent approximately 3% of the total population.

In most cases, the Non PRASA community systems are located in rural areas throughout the island and lack of technical, managerial and financial capacity. Most of them are not well operated and therefore more potentially vulnerable to waterborne diseases. For last years, the Non PRASA Strategy has been the main tool used to bring those systems into compliance. Several approaches are being used, for example: connecting the systems to the nearest PRASA systems, the installation of disinfection equipment or changing the surface source to an underground one; regulatory orientation and education, among others.

The following figure details the total of Non PRASA systems by September 2014 in terms of type of source and treatment.

FIGURE 2: NON PRASA SYSTEMS: SOURCE AND TREATMENT



The following tables details the Non PRASA systems' compliance with MCL and MR bacteriology rule requirements.

Table 3 : FY-14 Non PRASA SUMMARY BACTERIOLOGY COMPLIANCE

VIOLATION TYPE	SYSTEMS WITH 4 OR MORE VIOLATIONS DURING FY-14	SYSTEMS WITH 1, 2 OR 3 VIOLATIONS DURING FY-14
Maximum Contaminant Level	8	46
Monitoring/Reporting	153	85

TOTAL COMMUNITY SYSTEMS	BACTERIOLOGY	SAMPLES TAKEN	NEGATIVE SAMPLES	PERCENT NEGATIVE SAMPLES
247	Compliance Monitoring	1,325	1,190	90%
	Surveillance Monitoring	1,298	868	67%

PROGRAM ELEMENTS

All Program Elements were achieved successfully during FY-14. A summary of the activities carried out by the PWSS Regional and Central Office Coordinators, as well as a comparative report concerning the Program's performance actions are included in this report. See Attachment 1.

PROGRAM MANAGEMENT AND ADMINISTRATION

Program administration and supervision were continuously provided to achieve a satisfactory administration of the SDWA.

PWSSP Grant proposal for FY-15 was submitted on May 9, 2014.

Annual Program Work Plan, as well as the development of staff and budget needs, was prepared as part of the original grant applications for the FY-14.

The Private Laboratory Certification Program continued successfully during the FY-14.

All PRASA and Non PRASA monitoring results were evaluated in order to grant waivers, reduce monitoring frequency, increase monitoring, etc., in accordance with the Standardized Monitoring Framework (SMF) and rule requirements.

The Enforcement and Compliance Strategy for Non-PRASA Community Water Supply Systems continued to be in force in collaboration with the Division of Enforcement and Compliance Assistance of the US EPA Region II and the Caribbean Environmental Protection Division (CEPD).

Program Elements

*Program
Management and
Administration*

*Surveillance and
Technical
Assistance*

*Compliance
Monitoring
Determination*

*Plans Review
Section*

*Laboratory
Certification
Program*

*Training and
Certification*

Data Management

SURVEILLANCE ACTIVITIES AND TECHNICAL ASSISTANCE

The following table presents the main surveillance activities and technical assistance performed by type of system. See Attachment 2 for more details.

TABLE 4: SURVEILLANCE AND TECHNICAL ASSISTANCE ACTIVITIES FY-14			
Activity	PRASA	Non PRASA	Total
Sanitary Surveys	48	61	109
Inspections*	602	117	719
Field Visits	175	101	276
Cross Connections Investigations	1	1	2
Enforcement actions	151	84	235
Follow-up actions	3108	915	4023
Technical Assistance	74	406	480
Chemical Contamination Investigation	14	0	14
Microbiology Contamination Investigation	3	0	3
Complaints	23	9	32
Meetings	58	85	143
Legal Notifications and Boil Orders	N/A	2,223	2,223

* Includes: Filtration Plants, Tanks and Wells

A total of 4,175 bacteriological analyses were performed by PRDOH on PRASA systems as part of the PRDOH surveillance monitoring program. Out of these, 100 or 2.40% percent were found positive. See Attachment 3 for more details.

A total of 1,298 bacteriological analyses were performed by PRDOH on Non-PRASA community systems as part of the surveillance monitoring program. Out of these, 430 or 33.13% percent were found positive. For Non Transient- Non Community systems, a total of 253 bacteriological analyses were performed. Out of these, 11 samples or 4.35% were found positive. See Attachment 3 for more details.

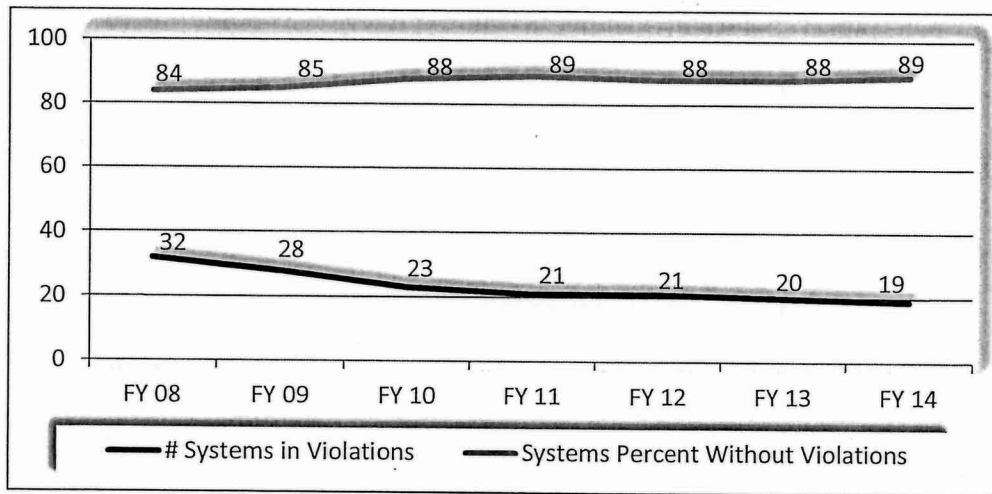
As part of PRDOH surveillance monitoring, a total of 678 samples were analyzed for turbidity on PRASA systems and 262 on Non PRASA systems.

COMPLIANCE MONITORING

A total of 40,332 bacteriological analyses were performed by PRASA as part of its compliance monitoring. Out of these, 253 samples or 0.63% percent were found positive. See Attachment 4 for more details.

A total of 25 bacteriology maximum contaminant level (MCL) violations were reported for 19 PRASA systems. From a total of 170 PRASA systems, 151 or 89% percent did not exhibit bacteriology violations from October 2013 to September 2014. See Attachment 5 for systems' details. The next figure describes the percent of PRASA systems without MCL bacteriological violations in the last years.

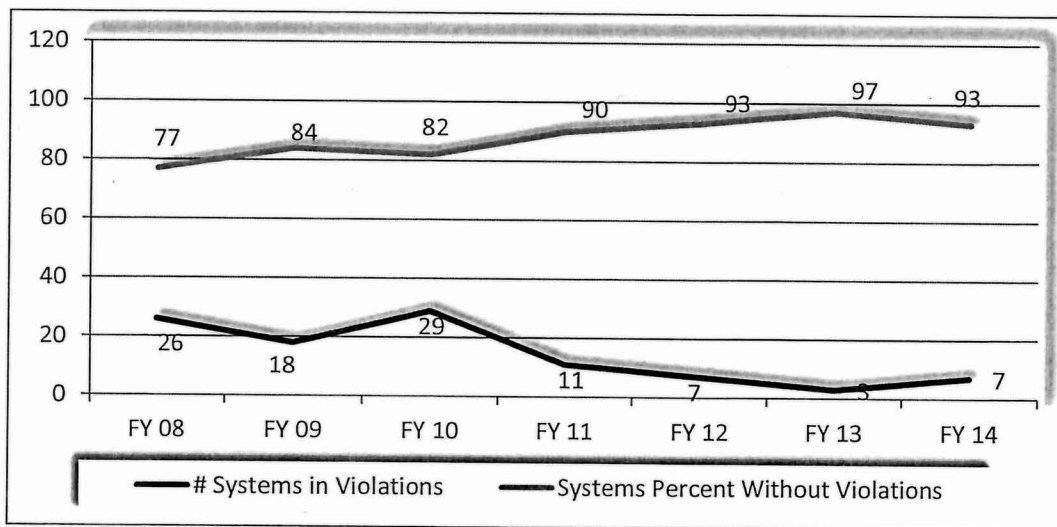
FIGURE 3: NUMBER OF SYSTEMS WITH MCL VIOLATIONS AND SYSTEMS' PERCENT WITHOUT VIOLATIONS FROM FY '08 THRU FY '14



A total of 37 bacteriology monitoring reporting (MR) violations were reported in 24 PRASA systems. From a total of 170 PRASA systems, 146 systems (86% percent) did not exhibit MR violations from October 2013 to September 2014. See Attachment 5 for systems' details.

A total of 7 treatment technique (TT) turbidity violations were reported in 7 PRASA systems. From a total of 107 systems with filtration plants, 100 systems (93% percent) did not exhibit turbidity violations during FY-14. The next figure describes the percent of PRASA systems without TT turbidity violations in the last years. See Attachment 6 for systems' details.

FIGURE 4: NUMBER OF SYSTEMS TREATMENT TECHNIQUE VIOLATIONS AND SYSTEMS' PERCENT WITHOUT VIOLATIONS FROM FY 08 THRU FY 14



From a total of 300 Non-PRASA systems, 131 bacteriology MCL violations were reported in 54 Non-PRASA systems. On the other hand, in regard the bacteriology monitoring/reporting (MR) violations, a total of 1,741 MR violations were registered in 238 Non PRASA systems. See Attachment 7 for systems' details.

From a total of 113 Non-PRASA surface water systems, 15 are in compliance with filtration technique.

ENFORCEMENT ACTIONS

PRASA submitted analyses results for Bacteriology, Turbidity, Total Trihalomethanes, Regulated Volatile Organic Chemicals (VOC), Synthetic Organic Chemicals (SOC), Pesticides, Herbicides, PCB's, Nitrates, among others. All results were evaluated in order to determine compliance with the drinking water regulation (MR and MCL violations). During FY-14, the following enforcement actions were taken in PRASA's systems:

TABLE 5: PRASA ENFORCEMENT ACTIONS	
ENFORCEMENT ACTIONS*	QUANTITY
Notices	12
Warning Letters	11
Notices of Violation	50
State Administrative Order	1
Actions Plans filling in Court (Joint Motion)	15
Amended Transaction Agreement Follow up Actions	66

*Data does not include regional enforcement actions and Lead and Copper Rule

In regard to the Non PRASA systems, the following enforcement actions were taken during FY-14:

TABLE 6: NON PRASA ENFORCEMENT ACTIONS	
ENFORCEMENT ACTIONS*	QUANTITY
Notices of Violation	10
State Administrative Orders	23
Legal Notifications and Boil Water Orders	2,223

*Data does not include regional enforcement actions and Lead and Copper Rule

LEAD AND COPPER RULE

Regarding Lead and Copper Rule, the Projects Review Section evaluated 21 projects in order to enforce the Lead Prohibition. Other enforcement actions are described below.

Table 7: Lead and Copper Compliance Summary		
ACTIVITY	PRASA	NON PRASA (NTNC)
Total systems under Corrosion Control Treatment (CCT)	14	6
Total systems exceeding lead and/or copper action levels and a Desktop Evaluations (DE) were requested.	3	1
Total of DE received.	0	2
Total systems under MR for failure to monitor/report.	113	9

PROJECT REVIEW SECTION

A total of 67 projects construction plans were reviewed during FY-14. Out of these, 27 were approved and 47 were pending for approval. The revision included new and substantially modified water supply facilities.

A total of 40 projects onsite inspections were performed.

Assistance to water utilities on the proper design and construction of drinking water treatment facilities was provided.

Review and endorsement of construction plans for Non PRASA water facilities improvements continued.

A total of 31 technical assistances were done.

LABORATORY CERTIFICATION

The PRDOH Quality Control/Certification and Accreditation Section inspected PRASA and Private Laboratories. Several fields follow up audits and onsite visits were performed. Correction Plans, Laboratory Manuals and files were evaluated.

Sample collectors were certified from government and private facilities.

The Quality Management Plan (QMP) for FY 2012-2014 was submitted to EPA by October 25, 2011 and signed by EPA on October 31, 2011.

The Laboratory Certification Program has already certified the following laboratories. See Attachment 8 for more details.

TABLE 8: LABORATORY CERTIFICATION STATUS	
NAME	LOCATION
ACUALAB	Humacao, PR
ALCHEM LABORATORIES	Ponce, PR
AMA ANALYTICAL SERVICES	Lanham, MD
AMERICAN WATER BELLEVILLE LAB.	Belleville, IL
BECKTON ENVIRONMENTAL LAB.	Ponce, PR
ENVIRONMENTAL QUALITY LABORATORIES	Santurce, PR
EUROFINS EATON ANALYTICAL LAB	Monrovia, CA
LAB. CLÍNICO ANALÍTICO	Ponce, PR
NATIONAL TESTING LABORATORIES	Ypsilanti, MI
PACE ANALYTICAL SERVICES	Ormond Beach, Florida Minneapolis, MN Greensburg, PA
PRASA LABORATORIES	Arecibo, Mayagüez, Ponce, Caguas (PR)
PRDOH LABORATORIES	Arecibo, Mayagüez, Ponce, San Juan (PR)
TEST AMERICA INC.	Savannah, GA
NORTH COAST SUPERACUEDUCT	Arecibo, PR

SEMINARS/TRAINING

As part of continuing education, the following trainings/ lectures were offered to PRDOH staff:

- 20th Drinking Water Seminar and Exposition
- Membrane Technology Seminar Workshop
- UV Treatment Water Lecture
- Climate Change
- RTCR Webinars (December, 11-12 and 26)
- Government Ethics Office Workshops/Lectures

DATA MANAGEMENT

All required reports were kept and submitted for FY-14.

The inventory of public water supply systems was quarterly updated and maintained. The inventory last updated was on September 19, 2014.

A record keeping system has been established to monitor water quality sampling and analytical results.

PRDOH continues the implementation of the SDWIS/STATE (Safe Drinking Water Information System) software as well as submitted the required data and reports to EPA.

SPECIAL REPORTS

The PWSS Program prepared several special reports during FY-14 as follows:

- Environmental Health Annual Report 2013-2014.
- Puerto Rico 2013 Annual Report on Public Water Systems Violations.
- Annual Report FY – 13
- ETT Lists Quarterly Reports
- End of Year FY-13 Report

PUBLIC PARTICIPATION/ DRINKING WATER ANNUAL SEMINAR

On May 22-23, 2014, the 20th Drinking Water Seminar was celebrated at the Puerto Rico Convention Center located in the municipality of San Juan, Puerto Rico. This event was sponsored by the Puerto Rico Department of Health (PRDOH), Environmental Protection Agency (EPA) and the American Water Works Association (AWWA-PR).

Two (2) days seminar and exposition consisted of a combination of simultaneous and plenaries conferences of relevant topics concerning drinking water regulation, public health, water treatment technology and research, among others. On May 21, a workshop was offered on Filter Membrane Technique.

During the Seminar, an Award Ceremony was carried out and several Non PRASA systems were recognized for their efforts to comply with drinking water regulations.

TABLE 9: LIST OF NON PRASA SYSTEMS RECOGNITION 2014			
Award	System	PWS ID	Municipality
First- Excellence	Comunidad Asomante	644086	Las Piedras
Second – Self Improvement Compliance	Sistema Maná I	724027	Corozal
Third – Community Participation	Sistema Comunidad Palomo	401064	Adjuntas

This year, the American Water Works Association granted their most important recognition, the “George Warren Fuller Award”, to Mrs. Irma López, Director of PRASA Quality Control and Environmental Compliance, for his outstanding performance in the water treatment field.

DRINKING WATER STATE REVOLVING FUND

Following, the most relevant achievements and activities of the last year are described:

INTENDED USE PLAN (IUP)

During fiscal 2013 the DOH through the DWSRF Program attained several achievements.

- On May 2, 2014, DOH requested FFY 2014 Capitalization Grant funds in the amount of \$8,845,000, which was approved by EPA on September 24, 2014. In compliance with the law, the Public Hearing regarding these funds was undertaken on May 16, 2014. Also, an Attorney General Opinion was requested. It was issued by the Attorney General Office and submitted directly to EPA on May 23, 2014.
- DOH was able to evaluate, certify and cash draw the total amount of \$17,323,153.05 in funds requests for projects expenses reimbursement as of September 30, 2014.
- The total amount evaluated, certified and cash drawn by DOH for set-asides DWSRF as of September 30, 2014 was \$886,778.52.
- On September 18, 2014 the financial agreement corresponding to the fiscal year 2013 funds in the amount of \$12,954,367 was executed for the financing of three (3) projects.
- DOH has complied with the reporting requirements as established in all active capitalization grants. In addition, during fiscal year 2014 DOH was able to provide all related data needed for the National Information and Management System (NIMS) in compliance with the deadline established.
- The Las Marías, Phase II-A project, financed with the ARRA 2009 funds, initiated repayment on May 9, 2014. Of the regular DWSRF Program funds six projects initiated construction and initiated their repayment.

DWSRF

...

The Drinking Water State Revolving Fund (DWSRF) Program, established by the SDWA, is a financing program for the construction of drinking water infrastructure. Low rate loans provide the financing mechanism for enabling the compliance of the public drinking water systems with the SDWA. It provides an alternative to the drinking water systems for obtaining the economic resources that will foster and facilitate the compliance with the federal law. It enables the development of technical, financial and administrative capacity of the systems in order for these to operate in compliance with the SDWA. It also promotes the establishment of contamination prevention programs from source to tap.

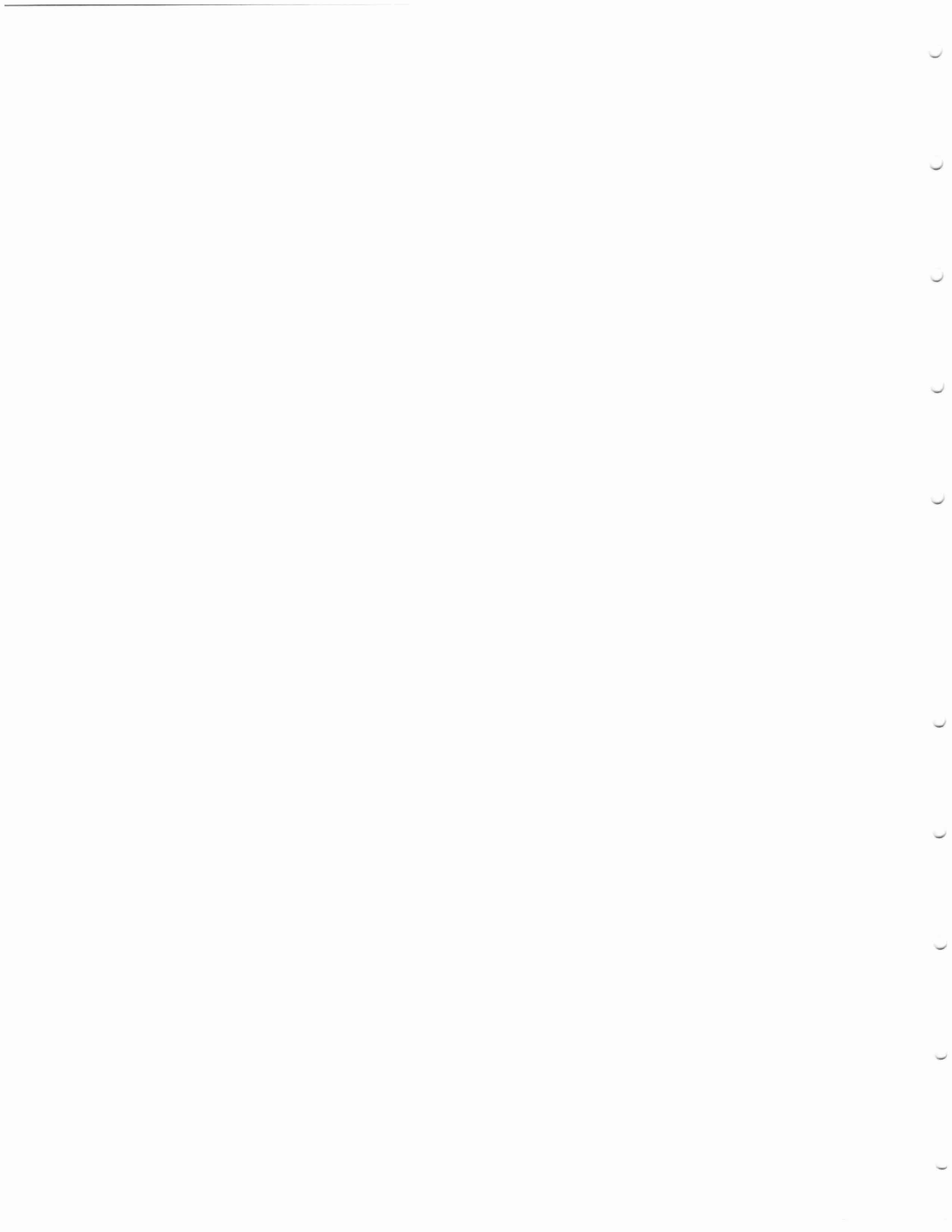


TABLE 10: DWSRF FUNDS PROJECTS NAME			
PWSID No.	DWSRF Funds Projects Name	Award Year(s)	Repayment Dates
3363 (a)	Las Marías, Phase II-A	ARRA 2009	May 9, 2014
2591 (e)	Sergio Cuevas-Compliance	2009	Jan/1/2014
4314 (a)	Yauco Urbana Raw Water-Fase II	2005 & 2008	July/1/2014
4314 (a)	Yauco Urbana Distrib. System-Fase III	2005 & 2008	July/1/2014
3872 (a)	Lares-Fase II-Espino, Pezuela & Río Prieto	2009	Aug/13/2014
3872 (b)	Lares-Fase III-Espino, Pezuela & Chamorro	2009	Aug/25/2014
4314 (a)	Yauco Urbana WTP-Fase I	2005 & 2008	Nov/7/2014

- DOH provided to EPA information and documents necessary to complete the closeout process of the 2007 grant. Close-out letter from EPA is expected during the first quarter of fiscal year 2015.

INFRASTRUCTURE PROJECTS

The DWSRF provides funds for promoting infrastructure improvements that will facilitate the compliance of the public drinking water systems with the SDWA. The following tables show the construction status of all the infrastructure projects financed by the ARRA and the DWSRF regular program:

TABLE 11: DWSRF REGULAR PROGRAM INFRASTRUCTURE PROJECTS			
PWSID	Name project	Approved Funds (\$M)	Construction Status
3363	Las Marías FP (Phase I)	12.2	100%
4313	Yauco Filtration Plant, Raw Water & Distr.	12.6	Phase I – 100%
4745	Guayama Urbano WTP	3.5	98%
3323	Lajas-San Germán	2.8	100%
5517	Cedro Arriba WTP	2.2	67%
3593	La Máquina WTP Elim.	2.0	30%
2762 (b)	Morovis Sur WTP	4.3	88%
2762 (a)	Morovis Urbano WTP	2.0	69%
3433	La Rocha WTP Elim.	3.0	25%
2662	Hatillo-Camuy WDS-Phase I	5.3	100%
5166	Valenciano WTP-Phase I	27.5	21%
Total		\$77.4	

TABLE 12: AMERICAN RECOVERY AND REINVESTMENT ACT (ARRA) FUNDS INFRASTRUCTURE PROJECTS			
PWSID	Name project	Approved Funds (\$M)	Construction Status
4545 (a)	Aibonito-La Plata	2.6	100%
3363 (b)	Las Marías IIA	5.6	100%
Total		\$8.2	

CAPACITY DEVELOPMENT

DOH completed the transition from the evaluation of systems through the traditional HSNC to Enforcement Targeting Tool (ETT). DOH has complied with the quarterly reporting with the ETT and it is the intention to continue doing so as well as to comply with the inclusion of said information in the Capacity Development Report.

According to ERP/ETT lists submitted by EPA up to FY-14, the total number of systems with score equal or above 11 were:

TABLE 13: SYSTEMS WITH SCORES GREATER THAN 11															
Systems	Dates														
	2011				2012				2013				2014		
	Jan	Apr	Jul	Oct	Jan	Apr	Jul	Oct	Jan	Apr	Jul	Oct	Jan	Apr	Jul*
PRASA Systems	93	30	31	31	8	6	3	13	8	9	2	19	21	14	37
Non-PRASA Private	11	10	11	11	8	8	4	5	3	3	3	11	11	10	10
Non-PRASA Communities	59	61	168	160	164	155	144	139	137	130	130	137	134	141	122
Total	163	101	210	202	180	169	151	157	148	142	135	167	166	165	169
* Data available as of September FY 2014.															

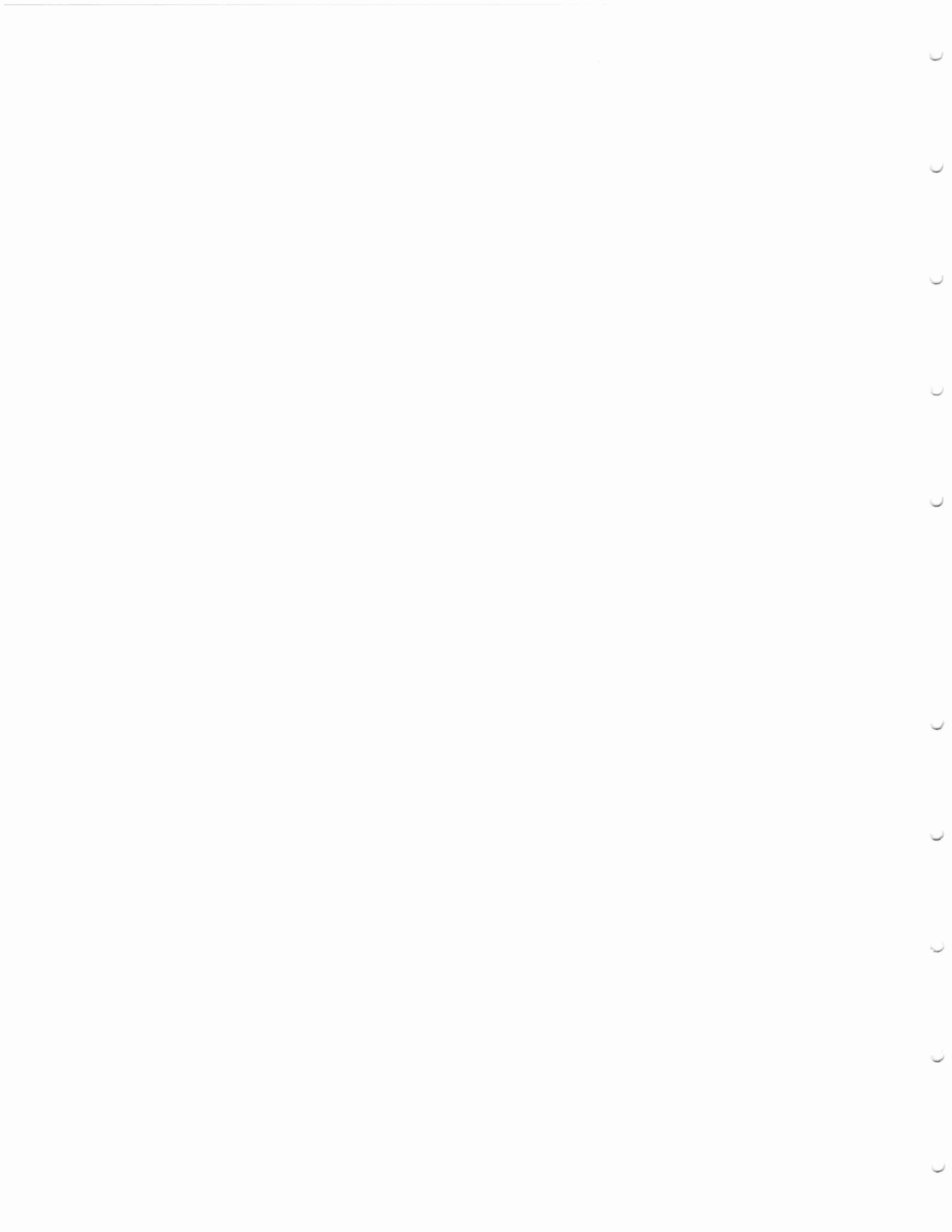
There are other general regular day-to-day activities and follow-ups undertaken during this fiscal year that include but are not limited to the following:

- DOH continues assisting systems by providing orientations regarding disinfection processes and the preparation of the Consumer's Confident Report (CCR). Approximately 249 systems were assisted.
- Continue implementing a comprehensive evaluation process, of new and existing small systems, utilizing the Capacity Development Checklist.
- Continue providing technical assistance support to existing circuit riders previously established by public, private and non-profit agencies to avail small systems' compliance.
- Implemented in the Public Water Supply Supervision Program (PWSS), the Capacity Development and the DWSRF programs actions to reflect the new Enforcement Response Policy (ERP) and the Enforcement Targeting Tool (ETT). DOH completed the transition from the evaluation of systems through the traditional Historical Systems in Non-Compliance (HSNC) to the new EPA enforcement approach, the ETT and thus has been working since its effectiveness in fiscal year 2010. DOH has complied with the quarterly reporting required with the ETT and it is the intention to continue doing so, as well as to provide certain information/details related to the ETT in the Capacity Development Report once the policy is in force.

- Assess approximately 50 systems in the organization process in order to conduct them towards compliance with Commonwealth, federal laws and regulations.
- Continue providing technical assistance to 50 communities under circuit riders previously established by DOH.

The implementation of the Capacity Development Strategy DOH bears continuous advises to the systems on the new requirements established in the law. In summary, during fiscal year 2014 DOH was able to undertake within others, the following activities. DOH issues comments to any new or proposed regulation related to permitting process at other agencies that may be issued and that may have an effect on the new requirements for the development of new systems. Also, coordination and agreements with other agencies have been established and have continued throughout the years to enable the assurance of projects/systems that can comply with the SDWA. The implementation of the strategy DOH bears continuous advises to the systems on the new requirements established in the law. Up to date, DOH has evaluated ten (10) new systems under these terms and approved seven (7) for operation. The following table discloses this information.

TABLE 14: IMPLEMENTATION OF CAPACITY DEVELOPMENT STRATEGY											
Method(s) used to evaluate and verify program implementation	Up to FY 05	FY 06	FY 07	FY 08	FY 09	FY 10	FY 11	FY 12	FY 13	FY 14**	Total
Proposed new CWSs	8	0	0	0	0	0	0	0	0	0	8
Proposed new NTNCWSs*	0	2	1	0	1	1	1	0	1	3	10
Approved new CWSs	4	0	0	0	0	0	0	0	0	0	4
Approved new NTNCWSs	0	0	0	0	0	0	0	0	0	2	2
New CWS's commenced operation after 10/1/01	4	1	0	0	0	0	0	0	0	0	5
New NTNCWSs commenced operation after 10/1/01	0	1	2	1	0	1	0	0	0	2	7
New CWS's that are not in compliance/reason for non-compliance	-	-	-	-	-	-	-	-	-	-	-
New NTNCWs that are not in compliance /reason for non-compliance	-	-	-	-	-	-	-	-	-	-	-
*Only comments issued.											
** Numbers as of September, 2014.											



OPERATOR CERTIFICATION PROGRAM

PRASA has a total of 118 filtration plants associated to the 106 surface water systems for FY-2014. Three (3) filtration plants were eliminated during this year but only 1 surface water system was eliminated. PRDOH personnel visited all drinking water filtration plants at least one time during FY-2014.

TABLE 15: PRASA PLANTS BY REGION				
Region	2011	2012	2013	2014
Metro	7	7	8	8
East	32	32	32	31
North	32	32	30	30
South	33	32	30	30
West	21	21	21	19
Total	125	124	121	118

The PRDOH determined the final category for the PRASA surface water systems by September 2010. The plant category for the existing systems has not change since FY-2011 but it was necessary to develop a new classification and update the inventory in FY-2014 due to the new PRASA system created. Based on PRDOH's final category, the plants are divided by region, as follows in 2014:

TABLE 16: PRASA PLANT CATEGORY BY REGION 2014					
Region	I	II	III	IV	Total
Metro	0	1	3	4	8
East	0	1	23	7	31
North	0	6	22	2	30
South	0	7	18	5	30
West	0	4	12	3	19
Total	0	19	78	21	118

The following table shows a summary of the surface drinking water systems/plants classified by category. It can be appreciated a net reduction of 3 plants in FY-2014 if compared to FY-2013:

TABLE 17: PRASA PLANT CATEGORY				
Category	2011	2012	2013	2014
I	0	0	0	0
II	21	21	20	19
III	81	81	79	78
IV	23	22	22	21
Total	125	124	121	118

During FY-2014, no ground water systems were closed and one (1) new system was put into operation. The following table shows the PRASA ground water systems by region:

TABLE 18: PRASA GWS BY REGION				
Region	2011	2012	2013	2014
Metro	0	0	0	0
Metro	0	0	0	0
North	22	17	17	17
South	32	30	25	25
West	15	14	12	13
Total	79	69	62	63

PRDOH determined the final ground water PWS categories in September 2010. The category for the existing GWS has not change since FY 2011, but it was necessary to update the inventory due to new system classification developed. PRDOH staff prepared the classification formulary and determined the category for the new system. Based on PRDOH's updated category inventory, the GW PRASA systems are divided by region as follows in 2014:

TABLE 19: GW PRASA SYSTEMS CATEGORY BY REGION 2014					
Region	I	II	III	IV	Total
Metro	0	0	0	0	0
East	8	0	0	0	8
North	17	0	0	0	17
South	25	0	0	0	25
West	13	0	0	0	13
Total	63	0	0	0	63

The following table shows a summary of the category classification of PRASA's ground drinking water systems up to FY-2014. It can be appreciated the addition of the 1 GW system in FY-2014 if compared to FY-2013.

TABLE 20: GW PRASA SYSTEMS BY CATEGORY				
Category	2011	2012	2013	2014
I	79	69	62	63
II	0	0	0	0
III	0	0	0	0
IV	0	0	0	0
Total	79	69	62	63

In summary, the final category for FY 2014 for the total PRASA SW and GW systems is as follows:

TABLE 21: PRASA SYSTEMS BY CATEGORY				
Category	2011	2012	2013	2014
I	79	69	62	63
II	21	21	20	19
III	81	81	79	78
IV	23	22	22	21
Total	204	193	183	181*
*We have to take into account that PRASA has a total of 118 filtration plants corresponding to 106 surface water systems. If we add the 118 SW plants with the 63 GW systems it gives a total of 181 classifications for PRASA for FY-2014.				

Coordination with the Board of Examiners regarding the process of administering the examination for operator's certification was maintained during this year. The following table the information regarding the exams administered by the Board up to April 2014.

TABLE 22: DRINKING WATER EXAMS ADMINISTERED BY THE BOARD			
Examination Date	Total Candidates	Examination Date	Total Candidates
November 2008	255	November 2011	201
July 2009	165	April 2012	222
November 2009	61	October 2012	145
June 2010	174	May 2013	130
November 2010	201	November 2013	175
May 2011	189	April 2014	66
Total			1393

A future exam will be administered in December 2014. The notification was published on a local newspaper on September 11, 2014. The information regarding the operators that approved the exam and/or acquired a new license after September 2014 will be available for the FY-2015 operator report.

The categories of the exams administered in November 2013 and April 2014 are presented in the next table. This table also shows the percent of exams administered per category.

TABLE 23: NEW DRINKING WATER EXAMS BY CATEGORY				
Categories	Exams Nov 2013	Exams April 2014	Total Exams	Percent (%) 2014
I	19	7	26	11
II	11	8	19	8
III	14	8	22	9
IV	131	43	174	72
Total	175	66	241	100

A total of 156 candidates approved the drinking water exam from the 241 initial candidates which provides a total of 85 candidates that did not approved the exam. The next table shows the percent of approved examinations by category for FY-2014.

A future exam will be administered in December 2014. The notification was published on a local newspaper on September 11, 2014. The information regarding the operators that approved the exam and/or acquired a new license after September 2014 will be available for the FY-2015 operator report.

A total of 156 candidates approved the drinking water exam from the 241 initial candidates which provides a total of 85 candidates that did not approved the exam. The next table shows the percent of approved examinations by category for FY-2014.

TABLE 24: APPROVED DRINKING WATER EXAMS BY CATEGORY 2014

Categories	November 2013		April 2014		Total Exams 2014		Percent Approved (%) 2014
	Approved	Not Approved	Approved	Not Approved	Approved	Not Approved	
I	7	12	4	3	11	15	7
II	3	8	5	3	8	11	5
III	11	3	5	3	16	6	10
IV	90	41	31	12	121	53	78
Total	111	64	45	21	156	85	100

There is at least one operator associated to each of the operating shifts of each treatment plant, which in turn is under the supervision of one or more managerial personnel. These management/supervisory personnel are certified operators associated to the five regions.

The following tasks were undertaken from October 2013 to September 2014 concerning the Operator Certification Expense Reimbursement Grant Program (ERG) Program project:

- Continue the oversight of the contractual agreement in place for the administration of the Circuit Rider Program.
- A total of 28 system operators received direct operator training and technical assistance.
- Three (3) drinking water operator trainings directed to take the operator's exam were provided to system operators on November 2013, March 2014, and July 2014.
- Seventeen (17) exam applications are being prepared to be submitted to The Board during September 2014.
- Reviewed, evaluated, and approve the Theoretical Training Manual provided by the contractor as specified in the agreement.
- Technical assistance and orientation has been provided to 48 systems regarding available trainings, application for exam, law requirements, certification and license process, and others.
- The percent project completion spreadsheet was revised and updated to include project activities.

TECHNICAL ASSISTANCE

This Program provides assistance and orientation in areas such as infrastructure, source, treatment, storage and distribution of the systems with the intention of improving the physical and operational ability of the system in order to promote compliance with the requirements of the law. During the last year the following activities were undertaken:

TABLE 25: TECHNICAL ASSISTANCE ACTIVITIES

Outcome	Outcome/Achievements
Validate Comprehensive Performance Evaluations (CPE's) methodology for approximately 48 small systems	Evaluate interim and final compliance profiles of approximately 48 systems in order to provide assistance for promoting and attaining compliance. Forty eight systems participated in the contract but only (28) were subject to the Adapted CPE. Limitation on funds available allowed only the CPE for twenty eight systems, a total of fifty-six (56) CPEs were undertaken between initial and final. A contract amendment is in process to cover twenty-five (25) new systems subject to CPE during the next two years.

Outcome	Outcome/Achievements
Continue providing orientation on funds availability to 50 small systems through site visits, meetings, written communications or telephone calls.	Increase knowledge of and compliance with the requirements of the SDWA. Approximately fifty (50) systems received orientation
Attend seminars and workshops (1) as part of the training to DWSRF personnel.	Stay current with information related to new requirements of the SDWA. Assistance to one seminar
Support PWSS program in the inspection of approximately 70 small systems	Assist systems and communities in determining and assessing compliance limiting factors in order to promote compliance. Eighty-two (82) inspections reported
Guide approximately 300 small systems in the preparation of their Consumer Confident Reports (CCR's)	Increase the knowledge of systems in an effort to reduce violations. Two hundred forty six (246) systems were assisted.
Undertake approximately 50 small systems sanitary surveys	Educate operators in an effort to promote public health, outline necessary improvements and reduce non-compliance. Currently eighty (80) have been reported.
Identify services necessary for compliance, based on the revised CPE	Improve compliance of systems that have CPE's. Twenty-eight (28) CPEs were undertaken
Educate small systems on DWSRF program requirements, compliance actions, fund requests and systems evaluations	Increase systems knowledge regarding compliance requirements. Twenty-eight (28) orientations were provided.
Assess approximately 48 systems in the organization process	Conduct approximately 48 systems towards compliance with Commonwealth and federal laws and regulations. Fifty systems were assessed.

During FY 2014 all our anticipated Outputs and Outcomes regarding the Technical Assistance Program were achieved and, within others, the following activities were undertaken:

- Oversight to a contract for providing technical assistance and support to 48 small systems in attaining capacity and for undertaking sanitary surveys with the corresponding action plans.
- Evaluate and assess proposed DWSRF funding eligibility for proposed improvement/rehabilitation projects. Eight projects evaluated.
- Continue providing technical assistance support to existing circuit riders previously established by public, private and non-profit agencies to avail small systems' compliance. Approximately 50 systems were assisted
- Evaluate proposed Commonwealth legislation associated to small systems. One project was evaluated. Comments for four (4) legislative projects were issued.
- Assist the PWSS program in conducting approximately 48 small systems sanitary surveys. Currently eighty (80) have been reported.
- Coordinate with and among non-profit private entities providing services to small systems in order to increase benefits and maximize efforts. One directly provided assistance to forty-eight (48) systems.
- Continue the implementation of the PR Technical Assistance Support (TAS) program in order to carry out assistance initiatives in concert with other Commonwealth agencies. All systems in Circuit Riders projects were advised on funding availability and compliance activities.
- Assist the PWSS program in performing field inspections of small systems. Eighty-two (82) inspections reported.

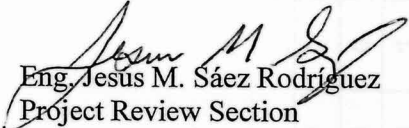
- Collaborate with the PWSS program in enforcement and compliance activities, including, assisting and guiding small systems Three hundred thirteen (313) reported.
- Assess approximately 50 systems in the organization process in order to conduct them towards compliance with Commonwealth, federal laws and regulations. Eighty-seven (87) visits reported. Our anticipated Outputs and Outcomes were achieved.

ATTACHMENT 1: Coordinators Annual Reports



ESTADO LIBRE ASOCIADO DE
PUERTO RICO
Departamento de Salud

To: Javier O. Torres
Director
Public Water Supply Supervision Division

From: 
Eng. Jesus M. Sáez Rodríguez
Project Review Section
Public Water Supply Supervision Division

Subject: **ANNUAL REPORT PLANS REVIEW SECTION FY-14**

Date: **October 6, 2014**

1. A total of 67 projects construction plans were reviewed during FY-14 (October 2013 to September 2014). From these, 27 were endorsed. Review included new and substantially modified facilities and also, large and Compact Filtration Plants include Sludge Treatment System (PRASA & Non-PRASA).
2. Conducted 40 on site inspection of construction of Public Water Supply facilities.
3. Continued to assist water utilities on the proper design and construction of drinking water treatment facilities.
4. Some projects construction plans were disapproved or pending for approvals due to there are not in compliance with the Regulations of Department of Health, actually have more that 40 projects.
5. Reviewing and endorsement of construction plans of Non-PRASA water systems improvements were continued.
6. Our section gives more that 31 technical assistance during FY-14.
7. A total of 70 revisions to documents were conducted including but not limited to disinfections (lines, tank and filter and others), new treatment techniques, protocols and materials in contact with water.

Annual Report FY-14

Project Review Section

<i>ACTIVITY</i>	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Ago	Sep	Total
<i>Technical Advice</i>	3	2	3	2	2	3	2	4	2	3	3	2	31
<i>Preliminary Endorsements</i>	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Trainings Offered</i>	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Revised Project Submitted</i>	7	2	3	5	4	9	4	8	2	9	9	5	67
<i>Not Endorsed Projects</i>	3	2	1	3	3	6	3	4	0	3	9	3	40
<i>Approved Projects Current FY</i>	4	0	2	2	1	3	1	4	2	6	0	2	27
<i>Meetings</i>	0	2	0	0	0	0	0	1	0	1	1	0	5
<i>a. PRASA</i>	0	2	0	0	0	0	0	1	0	1	1	0	5
<i>b. Private Consultants</i>	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>c. Others</i>	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Inspections to Project</i>	5	2	5	6	2	4	3	0	0	4	3	6	40
<i>Reinspections to Project</i>	0	1	0	0	0	0	0	0	0	0	0	0	1
<i>Others</i>	0	0	4	7	5	3	28	4	3	5	6	5	70



ESTADO LIBRE ASOCIADO DE
PUERTO RICO
Departamento de Salud

December 1, 2014

Eng. Javier O. Torres, P.E.
Director
Public Water Supply
Supervision Program
Department of Health

Zaida Roig Franceschini
Zaida Roig Franceschini, EIT
Regional Engineer
South Team

Annual Report FY 14

The main activities performed during the Fiscal Year -2014 were:

- **PRASA Systems**

- Sanitary Surveys to the following systems:

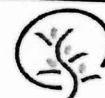
▪ Aceituna	4654
▪ Amelia	4334
▪ Aruz	3834
▪ Cerrillo	4634
▪ Coqui	4915
▪ Guanica	4074
▪ Guaraguao	4114
▪ Guayanilla	4054
▪ Jacaguas	4534
▪ Malpaso	4464
▪ Matrullas	4564
▪ Patillas	4835
▪ Real Anon	4454
▪ Saltillo Vaca	4134
▪ Tibes	4574
▪ Yauco	4314

- The following Filtration Plants were inspected in the year

▪ Aceituna	4654
▪ Guaraguao	4114
▪ Malpaso	4464
▪ Matrullas	4564
▪ Patillas	4835
▪ Real Anon	4454
▪ Tibes	4574

División de Agua Potable

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- Yauco 4314
- Investigation of Chemical Contaminants
 - Maunabo 4815
 - Peñuelas 4324
 - Yauco 4314
 - Maunabo 4815
 - Coamo 3914
 - Peñuelas 4324
 - Hogares Seguros 4514
 - Jagua Ceiba 4624
- Sixty- eight (68) enforcement actions were taken.
- Two thousand forty-six (2746) follow up actions were given.
- Twenty six (26) technical assistances were given.
- Five seminars (5) and/or workshops were received.
- Nine (9) complaints were received.
- Twenty two (22) meeting were attended.
- Two thousand ninety hundred seventy nine (2,977) other activities related to PRASA were done.
- Eighty four (84) checkout visited were done.
- One hundred seven (107) water pumps station were inspected.
- Thirty four (34) Wells were inspected.
- One hundred twelve (112) tanks were inspected.
- Follow up actions of Acuerdo de Transacción PRASA- DOH
- All the filtration plants were visits for checking the laboratory instruments.
- **Non PRASA Systems**
 - Thirty five (35) Sanitary Surveys were done.
 - Thirty four (34) checkout visits were done.
 - Two hundred eighty seven (287) follow up action were given.
 - Twenty five (25) technical assistances were given.
 - One hundred sixty (160) public notifications to boil water were given.
 - Eighteen (18) meetings were attended.
 - Six hundred twenty seven (627) other activities related to Non PRASA systems were done.
 - Seventeen (17) enforcement actions were taken.
 - Forty nine (49) tanks were inspected.


Cc. Mrs. Maria Del C. Quiñones
 Ponce Regional Director
 Environmental Health Program, DOH



ESTADO LIBRE ASOCIADO DE
PUERTO RICO
Departamento de Salud

December 1, 2014

Javier O. Torres, PE
Director
Public Water Supply Supervision Program


Sonia I. Ferrer, MEH
Lead & Copper Rule, Coordinator
Public Water Supply Supervision Program

Re: Annual Report Summary
Fiscal Year 2014 (Oct. 2013-Sept. 2014)

The information below summarizes the activities performed the Lead & Copper Rule Coordinator. The LCR has four main functions: 1-require water suppliers to optimize their treatment system to control corrosion in customer's plumbing; 2-determine tap water levels of lead and copper for customers who have lead service lines or lead-based solder in their plumbing systems; 3-rue out the source water as a source of significant lead levels; and 4-if action levels are exceeded, require the suppliers to educate their through public notices and public educational programs. If a water systems, after installing and optimizing corrosion control treatment, continues to fail to meet the lead action level, it must begin replacing the lead service lines under its ownership. Large systems serving more than 50,000 people were required to conduct studies of corrosion control and to install the state-approved optimal corrosion control treatment by January1, 1997. Small and medium sized systems are required to optimize corrosion control when monitoring at the consumer taps show action is necessary.

The following is a general summary of the main activities performed for the PRASA and Non-PRASA systems:

1. Two hundred ninety-one (51) enforcement / follow up (letters) actions about:
 - Notices of Violation.
 - Notice of exceedance for lead and copper action levels
 - Request corrosion control treatment studies.
 - Initial or follow lead and copper tap monitoring.
 - Initial or follow – Water Quality Parameters (WQP) / Source Water.
 - Reduced lead and copper tap monitoring.
 - Treatment Recommendations: Approve treatment, alternatives, and require further treatment studies.
 - Public Educations /Public Notifications /Lead Consumer Notice / Administrative Orders.
2. One hundred and fifty-three (219) follow up actions were performed including:
 - Complaints of LCR (Phone, fax, emails, mail).
3. Eight (15) technical assistances were provided:
 - Phone calls or in person.
4. One (1) seminar or trainings was attended:
 - Annual Drinking Water Seminar – May, 2014 - Pedro Rosello Convections' Center –San Juan. Sponsored by PRDOH, AWWA, AIDIS, EPA and PRWRERI.
5. Other Activities were performed during the fiscal year:
 - The lead and copper sampling programs were coordinated for all water systems.
 - The 90th percentile levels were calculated and evaluated in order to determine regulatory compliance for all water systems.
 - All Desktop Evaluations were received, reviewed and processed in order to determine regulatory compliance for water systems.
 - Preparation of different types of lead and copper reports (Mid Year, End of Year, Annual Report, others) for the Data Management, Enforcement Section and Environmental Protection Agency.
 - Special report "Lead Ban", (January to December 2013) was prepared.
 - Revision of the compliance reporting requirements of the Public Education.
 - Revision of the compliance reporting requirements of the Lead Consumer Notice.
 - Revision of the compliance WQP monitoring reports for all water systems.
 - Technical assistance to all Non-PRASA systems regarding requirements of the Lead and Copper Rule.
 - PRASA/DOH Transactional Agreement enforcement and follow up actions of LCR.
 - Regulatory compliance of the recordkeeping requirements for all water systems.



December 15, 2014

Eng. Javier O. Torres, Director
Drinking Water Division

Oneida Santiago

Oneida Santiago
Enforcement Section
Public Water Supply Supervision Program

Annual Report FFY 2014 Enforcement Section

This report summarizes the main activities performed in the Enforcement and Compliance Section during October 1st, 2013 through September 30, 2014.

The enforcement actions were mainly related to the Amendment Settlement Agreement (ASA) in the case of Department of Health vs Puerto Rico Aqueduct and Sewer Authority (PRASA), Case No. KPE 06-0858. A total of 66 documented follow up actions were conducted during this period related to the ASA stipulated obligations. The following table details other enforcement actions performed in PRASA systems during FY-14:

Enforcement Action	Quantity
Notice Letters	12
Warning Letters	11
Notice of Violation	40
State Administrative Order	1
Technical Assistance	30
Meetings	9
Letters/Memos	131
Others	132

The following lectures/seminars/webinars were taken:

1. Climate Change – Sponsored by Natural Resources Department – November 20, 2013.
2. EPA Webinars on Revised Total Coliform Rule – December 11-12, 2013 and February 26, 2014.
3. 20th Drinking Water Seminar – May, 2014.

División de Agua Potable

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4. Ultraviolet Disinfection Treatment – May 13, 2014.

Several documents were prepared during this period. The most important were:

1. Puerto Rico - Annual Report of Drinking Water Systems Violations 2013
2. PWSS Program End of Year Evaluation FFY -13
3. ERP-ETT Quarterly Reports submitted to EPA-Region2
4. Annual Report for the Environmental Secretariat 2013-2014

The Water Reduced Emergency Protocol (Protocolo de Racionamiento) was revised during 2014 due to a drought period that affected PRASA drinking water sources. Also, an Emergency Monitoring and Surveillance Protocol was revised due to PRASA's strike.

The following PRASA sample results or reports were evaluated in order to determine regulatory compliance:

1. CCR 2013
2. PRASA Monitoring Program 2014-2016
3. Bacteriology Monthly Reports for TCR and GWR
4. Turbidity Monthly Reports
5. VOC Quarterly/Monthly Reports
6. SOC Quarterly Reports
7. TOC Quarterly Reports
8. THM/HAA5 Quarterly Reports
9. RADS Quarterly Reports
10. Chlorine Quarterly Reports
11. IOC Annual Report

Assistance to Non PRASA Section and Lead and Copper Coordinators was given regarding compliance determination and enforcement actions.

Finally, assistance in the coordination for the 20th Drinking Water Seminar was provided.



ESTADO LIBRE ASOCIADO DE
PUERTO RICO
Departamento de Salud

December 16, 2014

Javier O. Torres Urbina, P.E.
Director
Drinking Water Supervision Division

Ayda M. Mercado Miranda
Regional Coordinator
Western Region
Drinking Water Supervision Division

WESTERN REGION ANNUAL REPORT, FISCAL YEAR 2014

The Western Region consists of fifteen (15) counties that are located in the western area of Puerto Rico and was formed due to the reorganization of the Puerto Rico Aqueduct and Sewer Authority in the Western.

Enclosed here are the main activities for PRASA and NON PRASA sections, performed in the Western Region during the past fiscal year 2014:

1. **Follow Up Actions** – One hundred forty three (143) follow up actions were done due to coliform positive samples, low free chlorine levels ($<0.2\text{mg/l}$), high turbidity levels or violations ($>1\text{ NTU}$) on filtration plants, ATE, Incidents Notifications, and other violations.
2. **Seminars Attendance**- We participated of six (6) seminars and Workshops
 - PR Department of Health Drinking Water Seminar Workshop- Membranes Technology
 - PR of Health Drinking Water Seminar
 - UV Treatment of Water
 - Governmental Ethics Office Workshops- 3 (January and March 2014)
3. **Chemical Contamination Investigation** – One (1) investigation was done:
Oil detection on Cerrillos Pumping Station, Mayaguez System 3283
4. **Filtration Plants Inspections** – At least eight (8) inspections were done.
5. **Inspections to Storage Tanks**- At least seventy seven (77) inspections were done.
6. **Inspections to Ground Wells**- At least five (5) inspections were done.
7. **Sanitary Surveys** – At least five (5) sanitary surveys were done.
8. **Check Inspections** - At least eight (8) check inspections were done.
9. **Pumping Station Inspections** - At least fifty two (52) inspections were done.
10. **About two (2) complains of drinking water quality matters received and solved.**



11. **About forty eight (48) Boiling Water Orders and Notifications were emitted to NON PRASA Systems.**
12. **About eleven (11) Incidents Notifications were emitted to PRASA Systems.**
13. **About fifty one (51) Operator Certification check actions were done**
14. **About three thirty five (335) other activities were done in order to comply with our duties.**

Cf. Mr. Eduardo Padilla- Mayagüez Environmental Health Program Director



January 16, 2015

Eng Javier Torres Urbina, PE
Director
Drinking Water Supervision Division

Eng Alex J Rios Mejias
Regional Coordinator
Drinking Water Supervision Division
West Region

Eng ALEX J RIOS MEJIAS ANNUAL REPORT, FISCAL YEAR 2014 – WEST REGION

Enclosed are the main activities for **PRASA and NON PRASA** sections performed during the past fiscal year 2014:

1. **Follow Up Actions** - Forty-nine (49) follow up actions were conducted due to PRASA TCR coliform positive bact samples, NON-PRASA coliform positive samples, GWR implementation, low (< 0.2 mg/l) free chlorine levels, PRASA Sanitary Surveys Response Action Plans, and other violations.
2. **Seminars Attendance** - We participate in one (1) seminar:
 - a) 20th Drinking Water Seminar at El Centro de Convenciones de Puerto Rico.
3. **Filtration Plant Inspections** - At least Six (6) Inspections were conducted at PRASA Water Treatment Plant sites.
4. **Inspections to Storage Tanks**- At least thirt-eight (38) inspections were conducted on raw and finished water tanks.
5. **Inspection to ground wells** - At least four (4) Inspections were conducted on PRASA ground wells.
6. **Sanitary surveys** - At least seven (7) Sanitary Surveys PRASA and NON_PRASA were conducted.
7. **Check Inspections**- At least six (6) Inspections were conducted at PRASA water treatment facilities.

8. **Pumping Station Inspections-** At least thirty-one (31) Inspections were conducted at PRASA submergibles, vertical and horizontal pumping stations.
9. **About twenty-three (23) Boiling Water Orders and notifications were emitted to NON-PRASA Systems.**
10. **Others Activities-** About thirty-four (34) other activities were done.

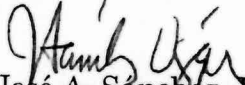
División de Agua Potable

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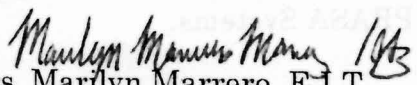
Secretaría Auxiliar para Salud Ambiental
Drinking Water Division North Region

January 20, 2015


Mr. Javier O. Torres, P.E.
Acting Director
Public Water Supply
Supervision Program



Mr. José A. Sánchez, E.I.T.
North Region Coordinator
Drinking Water Division



Mrs. Marilyn Marrero, E.I.T.
North Region Coordinator
Drinking Water Division



Mr. Luis A. Benítez Cortés, MSS
Environmental Specialist

ANNUAL REPORT FOR FY-2014

This is the summary of the main activities performed by the North Region of the Drinking Water Division during the Fiscal Year 2014.

1. We completed Fifteen Sanitary Surveys and two hundreds seventeen Inspections in which are included:
 - a) Sixty Pump Stations
 - b) Fourteen Water Wells
 - c) One hundred Twenty-eight Distribution Tanks
 - d) Fifteen Filtration Plants
2. We carried out one thousand one hundred and fifty samples of our routine bacteriological monitoring program follow up, complaints and others.

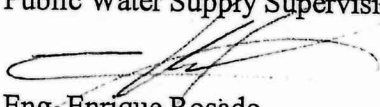
3. One hundred twenty-two follow up actions were performed concerning to:
 - a) Positive results of bacteriological samples
 - b) Chlorine residuals violations
4. We performed two technical assistance activities.
5. All the members of our Regional Staff attended the 20th. Drinking Water Regulation Seminar at Puerto Rico Convention Center facilities in San Juan, Puerto Rico during May.
6. We received one complaint and it was investigated.
7. We carried out nine Enforcement activities.
8. We carried out fifty six check visits.
9. We made twenty-one Water Boiling Orders notifications for positive results during the bacteriological monitoring for Non PRASA Systems.
10. We attended fourteen meetings.
11. We prepared six incident reports.
12. We carried out two hundreds sixty four other activities concerning to the Division.
13. We participated in the evaluation and compliance of the Drinking Water Concern with PRASA and DOH.
14. We participated in the Special Project about Lead and Cooper Monitoring during June 2014.



ESTADO LIBRE ASOCIADO DE
PUERTO RICO
Departamento de Salud

January 20, 2015

Javier O. Torres, P.E.
Director
Public Water Supply Supervision Program


Eng. Enrique Rosado
Team Leader East Region
Public Water Supply Supervision Program

REF: FY-14 Annual Report Summary

For the FY-14 the East Region staff was constituted by Enrique Rosado and Javier Melendez. The main activities performed by our teamwork during this fiscal year are described below.

1. Two hundred and forty-nine (249) **follow-up** actions were performed including:
 - Complaints
 - Chlorine residuals in distribution systems
 - Positive results in bacteriological samples
 - Corrective action plans for deficiencies identified during field visits
2. Two hundred and thirteen (213) **technical assistances** were provided.
3. Forty-eight (48) **drinking water system operators' certifications** were reviewed.
4. One (1) **seminar** or training was attended:

May 2014

- 20th Drinking Water Seminar – Centro de Convenciones, sponsored by PRDOH, USEPA, AWWA, AIDIS, and the academic sector, May 2014

División de Agua Potable

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Departamento de Salud

5. Two (2) **technical lectures** were attended.

May 2014

- UV Treatment Workshop
 - Membrane Treatment Technique Workshop
6. One (1) **microbiological pollution investigation** was performed.
7. Two (2) **chemical pollution** investigations were performed.
8. Eleven (11) **inspections to filtration plants** were performed.
9. One hundred and forty-two (142) **PRASA and Non PRASA tanks** were inspected.
10. Five (5) **PRASA ground water components** were inspected.
11. Thirty-two (32) **sanitary surveys to PRASA and Non PRASA systems** were performed.
12. Eighty-six (86) **check-up visits to PRASA and Non PRASA systems** were done.
13. Eighty-three (83) **boiling water notifications** were issued to Non PRASA systems.
14. One (1) **incident notifications** to PRASA were issued.
15. Ninety-two (92) **pumping stations** were inspected.
16. Sixteen (16) **complaints** in PRASA and Non PRASA systems were addressed.
17. Eleven (11) **meetings** were attended, including the following:
- Staff meetings
 - Meetings in conjunction with PRASA East Region staff regarding PRASA transactional agreement and the Remote/ Automatic Plant Operation Program and other compliance issues
 - Meetings with Non PRASA communities in order to provide them technical assistance to bring their systems into compliance with the drinking water regulation
 - Meetings with Drinking Water State Revolving Fund staff regarding status of the projects


18. Other activities performed during this fiscal year include:

- Evaluation of filtration plants monthly reports for turbidity and chlorine residual
- Preparation of the bacteriological sampling surveillance program and the corresponding coordination with the PRDOH inspectors
- Preparation of bacteriological compliance and surveillance monthly report for PRASA and Non PRASA systems
- Sampling points certification for bacteriological, THM, HAA5 parameters
- Participation in a drill exercise as part of the implementation of an emergency response plan in Non PRASA community water systems.
- Coordination of inspections and the PRDOH approval process of the filtration plants included the Partial Automated Operation Program of PRASA

*Commonwealth of Puerto Rico
Puerto Rico Department of Health
Auxiliary Secretariat for Environmental Health
Public Water Supply Supervision Program*

Date: February 6, 2015

To: Javier O. Torres, PE
Director
Public Water Supply Supervision Division
Puerto Rico Department of Health

From:  Ana M. Mendoza Rivera, MEH, MT (ASCP)
Coordinator, Non PRASA Section

Subject: FY-14 Annual Report Summary

This report summarizes the work done during Fiscal Year 2014 by Ana M. Mendoza Rivera as an Environmental Specialist with the PRDOH Public Water Supply Supervision Division.

The following list summarizes the activities performed during the period of FY14 (October 2013 to September 2014):

1. Forty-eight (28) enforcement actions
 - Several bacteriological and chemical Notices of Violation and Administrative Orders were issued to Non PRASA systems for bacteriological and chemical sample reports.
2. One hundred seventy (134) follow up actions:
 - Evaluation and registry of the Non PRASA reports of compliance laboratory samples.
 - Warning letters issued due to detection of chemical contaminants.
 - Brought up to date systems information.
 - Follow up to MR violations (bacteriological and chemical)
 - Evaluation for sampling reductions.
 - Revision and bringing up to date the file of non PRASA systems that include schools.
 - Letter for systems registration.
 - Preparation of chemical sampling programs.
 - Evaluation of sampling reports


3. One hundred three (152) technical assistance:
 - To systems owners about National Regulations, NOV's and sampling programs.
 - To graduate students about regulations, sanitary surveys and other issues about Non PRASA systems.
 - To the coordinators of our Office about the compliance of the systems.
 - To university professors about regulated contaminants.
 - To AAA personnel about the availability to connect some systems to PRASA.
 - To private consultant firms about Primary Drinking Water Standards.
 - To government agencies about requirements for the creation of a public water systems.
 - Supervision of the internship of an Environment Health's doctoral student
 - Participation in a project of the Department of State for the Non-PRASA systems
4. Six (2) seminars and workshop attended:
 - Annual Drinking Water Seminar (2 days)
5. Twenty-three (43) work meetings:
 - Several Staff Meetings.
 - Meetings with the Director of the Public Water Supply Supervision Division (PWSSD).
 - Meetings with different members of the PWSSP to discuss different issues.
 - Meetings with some members of communities and/or companies for orientation and different issues of their systems.
 - Meetings with government agencies for Non-PRASA projects
6. One hundred ninety-nine (183) other PWSSP activities.
 - Study of the 40 CFR on different rules.
 - Evaluation of Work Plans.
 - Preparation of different type of reports.
 - Reply to correspondence.
 - Preparation of Sampling Programs.
 - Preparation of documents of the creation or deactivation of systems.
 - Participation in a Small Community Committee
 - Preparation of the document of Non-PRASA Strategy
 - Work in new Achievements Report

February 6, 2015

Eng. Javier Torres Urbina, PE
Director
Public Water Supply
Supervision Program



Eng. Jesús M. Sáez
Metropolitan Region Coordinator, Team Leader



Dinorah M. Robles, PE
Metropolitan Region Coordinator

Re: **Annual Report Fiscal Year 2014**
(October 2013 – September 2014)

The Metropolitan Region performed the following summarized activities during FY-14 with the teamwork effort of Eng. Jesús M. Sáez, Mrs. Rafaela González and Eng. Dinorah M. Robles:

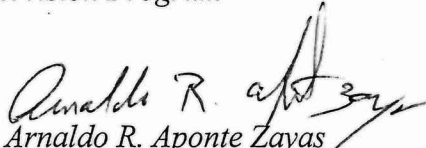
1. Two (2) **training/seminars** were attended:
 - a. 19th Seminar Drinking Water 2014
 - b. Membrane Filtration Workshop
2. One (1) **inspection to well** was performed as part of a sanitary survey, routine inspection and/or emergency operation:
 - a. Kikuet- new (PWSID 115061)
3. Two (2) **inspections to filtration plants** were performed as part of a sanitary survey, routine inspection and/or emergency operation:
 - a. Barrio Nuevo (PWSID 5557)
 - b. Cubuy (PWSID 2611)
4. One (1) **inspection to tank** was performed:
 - a. Guzman Arriba (PWSID 5356)
5. One (1) **complaint** was received and addressed regarding the quality of the drinking water received by the customer

6. One (1) **investigation** was performed:
 - a. Cubuy (PWSID 2611)- chemical contamination at raw water.
7. One (1) **public participation** was performed.
8. Five (5) **field visits** to treatment plants, wells, tanks, pump stations to monitor systems:
 - a. Pan Pepin system (PWSID 711037E)- sampling point evaluation
 - b. La Famosa system (PWSID PR0770027)- elimination of system
 - c. WTP Sergio Cuevas (PWSID 2591)- re-circulation
 - d. WTP Los Filtros (PWSID 2591)- re-circulation
 - e. WTP Antonio Santiago Vazquez (PWSID 2000)- re-circulation
9. Eighty-nine (89) **other relevant activities** were performed as part of the region coordination during the year. Some of them are:
 - a. Registration, revision and analysis of the compliance bacteriology monitoring submitted monthly by PRASA.
 - b. Registration, revision and analysis of the surveillance bacteriology monitoring submitted monthly by PRDOH.
 - c. Registration, revision and analysis of the turbidity and chlorine residual monthly reports submitted by PRASA.
 - d. Prepared the monthly corresponding reports to the Data Management and Enforcement Sections.
 - e. Prepared the Metro Region statistical monthly reports.
 - f. Prepared compliance, non-compliance and other reports as needed/required.
 - g. Prepared compliance, non-compliance and other letters as needed/required.
 - h. Maintained communication with PRDOH and PRASA Metro Regions respectively as needed/required.
 - i. Prepared annual surveillance bacteriological monitoring program.
 - j. Evaluation of Action Plans submitted for the Sanitary Surveys done
 - k. Evaluation of Enforcement Program for the "Acuerdo Transaccional Enmendado" between PRDOH and PRASA
 - l. Oversight of filtration plants due to heavy rain
 - m. Prepared information needed for EPA reports
 - n. Evaluation of PRASA's Record Creations
 - o. Evaluation of PRASA's Bypass and Overflow notifications



February 24, 2015

Mr. Javier Torres, P.E.
Director Public Water Supply
Supervision Program


Mr. Arnaldo R. Aponte Zayas
Computer Processing Section (CPS)
Public Water Supply
Supervision Program

RE: ANNUAL REPORT FY-14

Achievements during FY-14:

1. *The statistics for the Annual Report FY-14 were prepared.*
2. *The report for SDWIS was sent on time to U.S. E.P.A.*
3. *Export Data Violations MR-Bact. From DBF to SDWIS format.*
4. *Technical assistance support on data management and / or computer programs were given to PWSS staff.*
5. *The inventory was actualized for PRASA and Non-PRASA systems.*
6. *Issued monthly Public Notification to Non-PRASA systems with MCL and MR violations.*
7. *Technical assistance support to Non-PRASA Systems for CCR (Consumer Confidence Report).*
8. *The following files were reported quarterly to U.S. E.P.A., Region II using Safe Drinking Water Information System (SDWIS), for PRASA and Non-PRASA systems.*
 - a. *Inventory*
 - b. *Violation (MCL and MR)*
 - c. *Enforcement Action*

**ATTACHMENT 2: Surveillance Activities and
Technical Assistance Summary**

ACTIVIDADES DE SISTEMAS NON-PRASA & PRASA		FY-14
Acciones de "Enforcement" TOTAL		235
Acciones de "Enforcement" NON-PRASA		84
Acciones de "Enforcement" PRASA		151
Acciones de Seguimiento TOTAL		4023
Acciones de Seguimiento NON-PRASA		915
Acciones de Seguimiento PRASA		3108
Asesoramiento Tecnico TOTAL		511
Asesoramiento Tecnico NON-PRASA		406
Asesoramiento Tecnico PRASA		74
Asesoramiento Tecnico SECC. REV. PLANOS		31
Certificación de Operadores PRASA		188
Seminarios y/o Adiestramientos Ofrecidos TOTAL		0
Seminarios y/o Adiestramientos Ofrecidos NON-PRAS		0
Seminarios y/o Adiestramientos Ofrecidos PRASA		0
Seminarios y/o Adiest. Ofrecidos SECC. REV. PLANO		0
Seminarios y/o Adiestramientos Recibidos TOTAL		3
Seminarios y/o Adiestramientos Recibidos NON-PRAS		0
Seminarios y/o Adiestramientos Recibidos PRASA		3
Charlas Ofrecidas TOTAL		3
Charlas Ofrecidas NON-PRASA		0
Charlas Ofrecidas PRASA		3
Charlas Recibidas TOTAL		3
Charlas Recibidas NON-PRASA		0
Charlas Recibidas PRASA		3
Revisión de Reglamentos, Leyes y Proyectos TOTAL		4
Preparación de Manuales y Hojas Informativas TOTAL		12
Preparación de Manuales y Hojas Inf. NON-PRASA		8
Preparación de Manuales y Hojas Inf. PRASA		4
Participación Pública TOTAL		4
Participación Pública NON-PRASA		1
Participación Pública PRASA		3
Investigación sobre contaminación Microbiológica TOT		3
Inv. sobre contaminación Microbiológica NON-PRASA		0
Inv. sobre contaminación Microbiológica PRASA		3
Investigación sobre contaminación Química TOTAL		14
Inv. sobre contaminación Química NON-PRASA		0
Inv. sobre contaminación Química PRASA		14
Investigación sobre Conexiones Cruzadas TOTAL		2
Investigación sobre Conexiones Cruzadas NON-PRASA		1
Investigación sobre Conexiones Cruzadas PRASA		1

ACTIVIDADES DE SISTEMAS NON-PRASA & PRASA		FY-14
INSPECCIONES NON-PRASA + PRASA + SECC. REV PLANOS		762
NON-PRASA		
TOTAL INSPECCIONES NON-PRASA Y COMPONENTES		117
Inspecciones a Sistemas Comunales y Componentes		108
Inspecciones a Sistemas No-Comunal & Nontransient		9
TOTAL Insp. Sistemas sirven menos 25 pers. NON-PRAS		1
PRASA		
TOTAL INSPECCIONES PRASA Y COMPONENTES		603
Inspecciones a Plantas de Filtración PRASA		72
Inspecciones a Tanques PRASA		467
Inspecciones a Pozos PRASA		63
Inspecciones a Acueductos Rurales PRASA		0
Inspecciones a Cisternas PRASA		1
Insp. Sistemas que sirven menos 25 pers. PRASA		0
TOTAL INSPECCIONES PLAN REVIEW		41
Inspecciones a Proyectos SECC. REV. PLANOS		40
Reinspecciones a Proyectos SECC. REV. PLANOS		1
Encuestas Sanitarias TOTAL		109
Encuestas Sanitarias NON-PRASA		61
Encuestas Sanitarias PRASA		48
Visitas de Cotejo a Sistemas TOTAL		276
Visitas de Cotejo a Sistemas NON-PRASA		101
Visitas de Cotejo a Sistemas PRASA		175
Ordenes de Hervir el Agua,Notif. Públicas NON-PRASA		2223
Querellas Recibidas TOTAL		32
Querellas Recibidas NON-PRASA		9
Querellas Recibidas PRASA		23
Reuniones TOTAL		148
Reuniones NON-PRASA		85
Reuniones PRASA		58
Reuniones A.A.A. SECC. REV. PLANOS		5
Reuniones Consultores Privados SECC. REV. PLANOS		0
Reuniones Otras SECC. REV. PLANOS		0
Endosos Preliminares SECC. REV. PLANOS		0
Proyectos Revisados Sometidos SECC. REV. PLANOS		67
Proyectos No Endosados SECC. REV. PLANOS		40
Proyectos Aprobados SECC. REV. PLANOS		27
C P . E SISTEMAS PRASA		0
Notificación de Incidente		19
Inspección a Estaciones de Bombeo		333

EVALUACION DE INFORMES

SECCION REVISION DE PLANOS
FY-14

TOTAL

1. Asesoramiento Tecnico	31
2. Endosos Preliminares	0
3. Adiestramientos	0
4. Proyectos Revisados Sometidos	67
5. Proyectos No Endosados o Pend. Aprobacion (Pend= Proy Rev - Proy. Aprov.)	40
6. Proyectos Aprobados Fy Actual	27
7. Reuniones (Total)	5
a.. A. A. A	5
b.Consultores Privados	0
c. Otras	0
8. Inspecciones a Proyectos	40
9. Re-inspecciones a Proyectos	1

EVALUACION DE INFORMES MENSUALES

OCT-2013

SECCION REV. PLANOS

ACTUAL

ACUM

TOTAL

1. Asesoramiento Tecnico

3

0

3

2. Endosos Preliminares

0

0

0

3. Adiestramientos

0

0

0

4. Proyectos Revisados Sometidos

7

0

7

5. Proyectos No Endosados o Pend. Aprobacion
(Pend= Proy Rev - Proy. Aprov.)

3

0

3

6. Proyectos Aprobados Fy Actual

4

0

4

7. Reuniones (Total)

0

0

0

a. A. A. A

0

0

0

b.Consultores Privados

0

0

0

c. Otras

0

0

0

8. Inspecciones a Proyectos

5

0

5

9. Re-inspecciones a Proyectos

0

0

0

NOV-2013

No.

SECCION REV. PLANOS

ACTUAL

ACUM

TOTAL

1. Asesoramiento Tecnico

2

3

5

2. Endosos Preliminares

0

0

0

3. Adiestramientos

0

0

0

4. Proyectos Revisados Sometidos

2

7

9

5. Proyectos No Endosados o Pend. Aprobacion
(Pend= Proy Rev - Proy. Aprov.)

2

3

5

6. Proyectos Aprobados Fy Actual

0

4

4

7. Reuniones (Total)

2

0

2

a. A. A. A

2

0

2

b.Consultores Privados

0

0

0

c. Otras

0

0

0

8. Inspecciones a Proyectos

2

5

7

9. Re-inspecciones a Proyectos

1

0

1

EVALUACION DE INFORMES MENSUALES

DIC-2013

SECCION REV. PLANOS

	ACTUAL	ACUM	TOTAL
1. Asesoramiento Tecnico	3	5	8
2. Endosos Preliminares	0	0	0
3. Adiestramientos	0	0	0
4. Proyectos Revisados Sometidos	3	9	12
5. Proyectos No Endosados o Pend. Aprobacion (Pend= Proy Rev - Proy. Aprov.)	1	5	6
6. Proyectos Aprobados Fy Actual	2	4	6
7. Reuniones (Total)	0	2	2
a. A. A. A	0	2	2
b.Consultores Privados	0	0	0
c. Otras	0	0	0
8. Inspecciones a Proyectos	5	7	12
9. Re-inspecciones a Proyectos	0	1	1

ENE-2014

No.

SECCION REV. PLANOS

	ACTUAL	ACUM	TOTAL
1. Asesoramiento Tecnico	2	8	10
2. Endosos Preliminares	0	0	
3. Adiestramientos	0	0	0
4. Proyectos Revisados Sometidos	5	12	17
5. Proyectos No Endosados o Pend. Aprobacion (Pend= Proy Rev - Proy. Aprov.)	3	6	9
6. Proyectos Aprobados Fy Actual	2	6	8
7. Reuniones (Total)	0	2	2
a. A. A. A	0	2	2
b.Consultores Privados	0	0	0
c. Otras	0	0	0
8. Inspecciones a Proyectos	6	12	18
9. Re-inspecciones a Proyectos	0	1	1

EVALUACION DE INFORMES MENSUALES

FEB-2014

SECCION REV. PLANOS

	ACTUAL	ACUM	TOTAL
1. Asesoramiento Tecnico	2	10	12
2. Endosos Preliminares	0	0	0
3. Adiestramientos	0	0	0
4. Proyectos Revisados Sometidos	4	17	21
5. Proyectos No Endosados o Pend. Aprobacion (Pend= Proy Rev - Proy. Aprov.)	3	9	12
6. Proyectos Aprobados Fy Actual	1	8	9
7. Reuniones (Total)	0	2	2
a. A. A. A	0	2	2
b.Consultores Privados	0	0	0
c. Otras	0	0	0
8. Inspecciones a Proyectos	2	18	20
9. Re-inspecciones a Proyectos	0	1	1

MAR-2014

No.

SECCION REV. PLANOS

	ACTUAL	ACUM	TOTAL
1. Asesoramiento Tecnico	3	12	15
2. Endosos Preliminares	0	0	0
3. Adiestramientos	0	0	0
4. Proyectos Revisados Sometidos	9	21	30
5. Proyectos No Endosados o Pend. Aprobacion (Pend= Proy Rev - Proy. Aprov.)	6	12	18
6. Proyectos Aprobados Fy Actual	3	9	12
7. Reuniones (Total)	0	2	2
a. A. A. A	0	2	2
b.Consultores Privados	0	0	0
c. Otras	0	0	0
8. Inspecciones a Proyectos	4	20	24
9. Re-inspecciones a Proyectos	0	1	1

EVALUACION DE INFORMES MENSUALES

ABR-2014

SECCION REV. PLANOS

	ACTUAL	ACUM	TOTAL
1. Asesoramiento Tecnico	2	15	17
2. Endosos Preliminares	0	0	0
3. Adiestramientos	0	0	0
4. Proyectos Revisados Sometidos	4	30	34
5. Proyectos No Endosados o Pend. Aprobacion (Pend= Proy Rev - Proy. Aprov.)	3	18	21
6. Proyectos Aprobados Fy Actual	1	12	13
7. Reuniones (Total)	0	2	2
a. A. A. A	0	2	2
b.Consultores Privados	0	0	0
c. Otras	0	0	0
8. Inspecciones a Proyectos	3	24	27
9. Re-inspecciones a Proyectos	0	1	1

MAY-2014 No.

SECCION REV. PLANOS

	ACTUAL	ACUM	TOTAL
1. Asesoramiento Tecnico	4	17	21
2. Endosos Preliminares	0	0	0
3. Adiestramientos	0	0	0
4. Proyectos Revisados Sometidos	8	34	42
5. Proyectos No Endosados o Pend. Aprobacion (Pend= Proy Rev - Proy. Aprov.)	4	21	25
6. Proyectos Aprobados Fy Actual	4	13	17
7. Reuniones (Total)	1	2	3
a. A. A. A	1	2	3
b.Consultores Privados	0	0	0
c. Otras	0	0	0
8. Inspecciones a Proyectos	0	27	27
9. Re-inspecciones a Proyectos	0	1	1

EVALUACION DE INFORMES MENSUALES

JUN-2014

SECCION REV. PLANOS

	ACTUAL	ACUM	TOTAL
1. Asesoramiento Tecnico	2	21	23
2. Endosos Preliminares	0	0	0
3. Adiestramientos	0	0	0
4. Proyectos Revisados Sometidos	2	42	44
5. Proyectos No Endosados o Pend. Aprobacion (Pend= Proy Rev - Proy. Aprov.)	0	25	25
6. Proyectos Aprobados Fy Actual	2	17	19
7. Reuniones (Total)	0	3	3
a. A. A. A	0	3	3
b.Consultores Privados	0	0	0
c. Otras	0	0	0
8. Inspecciones a Proyectos	0	27	27
9. Re-inspecciones a Proyectos	0	1	1

JUL-2014

No.

SECCION REV. PLANOS

ACTUAL

ACUM

TOTAL

1. Asesoramiento Tecnico	3	23	26
2. Endosos Preliminares	0	0	0
3. Adiestramientos	0	0	0
4. Proyectos Revisados Sometidos	9	44	53
5. Proyectos No Endosados o Pend. Aprobacion (Pend= Proy Rev - Proy. Aprov.)	3	25	28
6. Proyectos Aprobados Fy Actual	6	19	25
7. Reuniones (Total)	1	3	4
a. A. A. A	1	3	4
b.Consultores Privados	0	0	0
c. Otras	0	0	0
8. Inspecciones a Proyectos	4	27	31
9. Re-inspecciones a Proyectos	0	1	1

EVALUACION DE INFORMES MENSUALES

AGO-2014

SECCION REV. PLANOS

	ACTUAL	ACUM	TOTAL
1. Asesoramiento Tecnico	3	26	29
2. Endosos Preliminares	0	0	0
3. Adiestramientos	0	0	0
4. Proyectos Revisados Sometidos	9	53	62
5. Proyectos No Endosados o Pend. Aprobacion (Pend= Proy Rev - Proy. Aprov.)	9	28	37
6. Proyectos Aprobados Fy Actual	0	25	25
7. Reuniones (Total)	1	4	5
a. A. A. A	1	4	5
b.Consultores Privados	0	0	0
c. Otras	0	0	0
8. Inspecciones a Proyectos	3	31	34
9. Re-inspecciones a Proyectos	0	1	1

SEP-2014

No.

SECCION REV. PLANOS

ACTUAL

ACUM

TOTAL

1. Asesoramiento Tecnico	2	29	31
2. Endosos Preliminares	0	0	0
3. Adiestramientos	0	0	0
4. Proyectos Revisados Sometidos	5	62	67
5. Proyectos No Endosados o Pend. Aprobacion (Pend= Proy Rev - Proy. Aprov.)	3	37	40
6. Proyectos Aprobados Fy Actual	2	25	27
7. Reuniones (Total)	0	5	5
a. A. A. A	0	5	5
b.Consultores Privados	0	0	0
c. Otras	0	0	0
8. Inspecciones a Proyectos	6	34	40
9. Re-inspecciones a Proyectos	0	1	1

ATTACHMENT 3: PRDOH Surveillance Monitoring

DEPARTAMENTO DE SALUD
RESULTADOS DE MUESTRAS TOMADAS
POR LA DIVISION DE AGUA POTABLE FY-14

FECHA	TIPO	MUESTRAS	MUESTRAS POSITIVAS	MUESTRAS NEGATIVAS	MUESTRAS RECHAZADAS	TOTAL DEL MES	PORCIENTO POSITIVO	TOTAL ACUMULADO	TOTAL DEL AÑO
Oct-13	1	BACTERIOLOGIA TOTAL	45	437	0	482	9%	0	482
		A. A. A.	9	360	0	369	2%	0	369
		COMUNAL PRIVADO	35	58	0	93	38%	0	93
		NO-COMUNAL & NON-TRANSIENT	1	19	0	20	5%	0	20
	2	QUIMICO INORGANICO TOTAL	0	0	0	0	0%	0	0
		A. A. A.	0	0	0	0	0%	0	0
		COMUNAL PRIVADO	0	0	0	0	0%	0	0
		NO-COMUNAL & NON-TRANSIENT	0	0	0	0	0%	0	0
	3	QUIMICO ORGANICO TOTAL	0	0	0	0	0%	0	0
		A. A. A.	0	0	0	0	0%	0	0
		COMUNAL PRIVADO	0	0	0	0	0%	0	0
		NO-COMUNAL & NON-TRANSIENT	0	0	0	0	0%	0	0
	4	TURBIDEZ TOTAL	14	54	0	68	21%	0	68
		A. A. A.	7	42	0	49	14%	0	49
		COMUNAL PRIVADO	7	12	0	19	37%	0	19
		NO-COMUNAL & NON-TRANSIENT	0	0	0	0	0%	0	0

FECHA	TIPO	MUESTRAS	MUESTRAS POSITIVAS	MUESTRAS NEGATIVAS	MUESTRAS RECHAZADAS	TOTAL DEL MES	PORCIENTO POSITIVO	TOTAL ACUMULADO	TOTAL DEL AÑO
Nov-13	1	BACTERIOLOGIA TOTAL	58	451	0	509	11%	482	991
		A. A. A.	8	347	0	355	2%	369	724
		COMUNAL PRIVADO	49	79	0	128	38%	93	221
		NO-COMUNAL & NON-TRANSIENT	1	25	0	26	4%	20	46
	2	QUIMICO INORGANICO TOTAL	0	0	0	0	0%	0	0
		A. A. A.	0	0	0	0	0%	0	0
		COMUNAL PRIVADO	0	0	0	0	0%	0	0
		NO-COMUNAL & NON-TRANSIENT	0	0	0	0	0%	0	0
	3	QUIMICO ORGANICO TOTAL	0	0	0	0	0%	0	0
		A. A. A.	0	0	0	0	0%	0	0
		COMUNAL PRIVADO	0	0	0	0	0%	0	0
		NO-COMUNAL & NON-TRANSIENT	0	0	0	0	0%	0	0
	4	TURBIDEZ TOTAL	7	49	0	56	13%	68	124
		A. A. A.	1	38	0	39	3%	49	88
		COMUNAL PRIVADO	6	11	0	17	35%	19	36
		NO-COMUNAL & NON-TRANSIENT	0	0	0	0	0%	0	0

**DEPARTAMENTO DE SALUD
RESULTADOS DE MUESTRAS TOMADAS
POR LA DIVISION DE AGUA POTABLE FY-14**

FECHA	TIPO	MUESTRAS	MUESTRAS POSITIVAS	MUESTRAS NEGATIVAS	MUESTRAS RECHAZADAS	TOTAL DEL MES	PORCIENTO POSITIVO	TOTAL ACUMULADO	TOTAL DEL AÑO
Dec-13	1	BACTERIOLOGIA TOTAL	54	382	0	436	12%	991	1427
		A. A. A.	18	312	0	330	5%	724	1054
		COMUNAL PRIVADO	33	54	0	87	38%	221	308
		NO-COMUNAL & NON-TRANSIENT	3	16	0	19	16%	46	65
	2	QUIMICO INORGANICO TOTAL	0	0	0	0	0%	0	0
		A. A. A.	0	0	0	0	0%	0	0
		COMUNAL PRIVADO	0	0	0	0	0%	0	0
		NO-COMUNAL & NON-TRANSIENT	0	0	0	0	0%	0	0
	3	QUIMICO ORGANICO TOTAL	0	0	0	0	0%	0	0
		A. A. A.	0	0	0	0	0%	0	0
		COMUNAL PRIVADO	0	0	0	0	0%	0	0
		NO-COMUNAL & NON-TRANSIENT	0	0	0	0	0%	0	0
	4	TURBIDEZ TOTAL	4	69	0	73	5%	124	197
		A. A. A.	1	55	0	56	2%	88	144
		COMUNAL PRIVADO	3	14	0	17	18%	36	53
		NO-COMUNAL & NON-TRANSIENT	0	0	0	0	0%	0	0

FECHA	TIPO	MUESTRAS	MUESTRAS POSITIVAS	MUESTRAS NEGATIVAS	MUESTRAS RECHAZADAS	TOTAL DEL MES	PORCIENTO POSITIVO	TOTAL ACUMULADO	TOTAL DEL AÑO
Jan-14	1	BACTERIOLOGIA TOTAL	37	403	0	440	8%	1427	1867
		A. A. A.	8	337	0	345	2%	1054	1399
		COMUNAL PRIVADO	28	55	0	83	34%	308	391
		NO-COMUNAL & NON-TRANSIENT	1	11	0	12	8%	65	77
	2	QUIMICO INORGANICO TOTAL	0	0	0	0	0%	0	0
		A. A. A.	0	0	0	0	0%	0	0
		COMUNAL PRIVADO	0	0	0	0	0%	0	0
		NO-COMUNAL & NON-TRANSIENT	0	0	0	0	0%	0	0
	3	QUIMICO ORGANICO TOTAL	0	0	0	0	0%	0	0
		A. A. A.	0	0	0	0	0%	0	0
		COMUNAL PRIVADO	0	0	0	0	0%	0	0
		NO-COMUNAL & NON-TRANSIENT	0	0	0	0	0%	0	0
	4	TURBIDEZ TOTAL	6	88	0	94	6%	197	291
		A. A. A.	4	63	0	67	6%	144	211
		COMUNAL PRIVADO	2	25	0	27	7%	53	80
		NO-COMUNAL & NON-TRANSIENT	0	0	0	0	0%	0	0

DEPARTAMENTO DE SALUD
RESULTADOS DE MUESTRAS TOMADAS
POR LA DIVISION DE AGUA POTABLE FY-14

FECHA	TIPO	MUESTRAS	MUESTRAS POSITIVAS	MUESTRAS NEGATIVAS	MUESTRAS RECHAZADAS	TOTAL DEL MES	PORCIENTO POSITIVO	TOTAL ACUMULADO	TOTAL DEL AÑO
Feb-14	1	BACTERIOLOGIA TOTAL	57	483	0	540	11%	1867	2407
		A. A. A.	12	369	0	381	3%	1399	1780
		COMUNAL PRIVADO	45	82	0	127	35%	391	518
		NO-COMUNAL & NON-TRANSIENT	0	32	0	32	0%	77	109
	2	QUIMICO INORGANICO TOTAL	0	0	0	0	0%	0	0
		A. A. A.	0	0	0	0	0%	0	0
		COMUNAL PRIVADO	0	0	0	0	0%	0	0
		NO-COMUNAL & NON-TRANSIENT	0	0	0	0	0%	0	0
	3	QUIMICO ORGANICO TOTAL	0	0	0	0	0%	0	0
		A. A. A.	0	0	0	0	0%	0	0
		COMUNAL PRIVADO	0	0	0	0	0%	0	0
		NO-COMUNAL & NON-TRANSIENT	0	0	0	0	0%	0	0
	4	TURBIDEZ TOTAL	4	101	0	105	4%	291	396
		A. A. A.	2	83	0	85	2%	211	296
		COMUNAL PRIVADO	2	18	0	20	10%	80	100
		NO-COMUNAL & NON-TRANSIENT	0	0	0	0	0%	0	0

FECHA	TIPO	MUESTRAS	MUESTRAS POSITIVAS	MUESTRAS NEGATIVAS	MUESTRAS RECHAZADAS	TOTAL DEL MES	PORCIENTO POSITIVO	TOTAL ACUMULADO	TOTAL DEL AÑO
Mar-14	1	BACTERIOLOGIA TOTAL	48	417	0	465	10%	2407	2872
		A. A. A.	12	328	0	340	4%	1780	2120
		COMUNAL PRIVADO	36	74	0	110	33%	518	628
		NO-COMUNAL & NON-TRANSIENT	0	15	0	15	0%	109	124
	2	QUIMICO INORGANICO TOTAL	0	0	0	0	0%	0	0
		A. A. A.	0	0	0	0	0%	0	0
		COMUNAL PRIVADO	0	0	0	0	0%	0	0
		NO-COMUNAL & NON-TRANSIENT	0	0	0	0	0%	0	0
	3	QUIMICO ORGANICO TOTAL	0	0	0	0	0%	0	0
		A. A. A.	0	0	0	0	0%	0	0
		COMUNAL PRIVADO	0	0	0	0	0%	0	0
		NO-COMUNAL & NON-TRANSIENT	0	0	0	0	0%	0	0
	4	TURBIDEZ TOTAL	9	77	0	86	10%	396	482
		A. A. A.	2	57	0	59	3%	296	355
		COMUNAL PRIVADO	7	20	0	27	26%	100	127
		NO-COMUNAL & NON-TRANSIENT	0	0	0	0	0%	0	0

**DEPARTAMENTO DE SALUD
RESULTADOS DE MUESTRAS TOMADAS
POR LA DIVISION DE AGUA POTABLE FY-14**

FECHA	TIPO	MUESTRAS	MUESTRAS POSITIVAS	MUESTRAS NEGATIVAS	MUESTRAS RECHAZADAS	TOTAL DEL MES	PORCIENTO POSITIVO	TOTAL ACUMULADO	TOTAL DEL AÑO
Apr-14	1	BACTERIOLOGIA TOTAL	34	450	0	484	7%	2872	3356
		A. A. A.	8	358	0	366	2%	2120	2486
		COMUNAL PRIVADO	26	74	0	100	26%	628	728
		NO-COMUNAL & NON-TRANSIENT	0	18	0	18	0%	124	142
	2	QUIMICO INORGANICO TOTAL	0	0	0	0	0%	0	0
		A. A. A.	0	0	0	0	0%	0	0
		COMUNAL PRIVADO	0	0	0	0	0%	0	0
		NO-COMUNAL & NON-TRANSIENT	0	0	0	0	0%	0	0
	3	QUIMICO ORGANICO TOTAL	0	0	0	0	0%	0	0
		A. A. A.	0	0	0	0	0%	0	0
		COMUNAL PRIVADO	0	0	0	0	0%	0	0
		NO-COMUNAL & NON-TRANSIENT	0	0	0	0	0%	0	0
	4	TURBIDEZ TOTAL	4	75	0	79	5%	482	561
		A. A. A.	2	50	0	52	4%	355	407
		COMUNAL PRIVADO	2	24	0	26	8%	127	153
		NO-COMUNAL & NON-TRANSIENT	0	1	0	1	0%	0	1

FECHA	TIPO	MUESTRAS	MUESTRAS POSITIVAS	MUESTRAS NEGATIVAS	MUESTRAS RECHAZADAS	TOTAL DEL MES	PORCIENTO POSITIVO	TOTAL ACUMULADO	TOTAL DEL AÑO
May-14	1	BACTERIOLOGIA TOTAL	51	482	0	533	10%	3356	3889
		A. A. A.	4	363	0	367	1%	2486	2853
		COMUNAL PRIVADO	46	85	0	131	35%	728	859
		NO-COMUNAL & NON-TRANSIENT	1	34	0	35	3%	142	177
	2	QUIMICO INORGANICO TOTAL	0	0	0	0	0%	0	0
		A. A. A.	0	0	0	0	0%	0	0
		COMUNAL PRIVADO	0	0	0	0	0%	0	0
		NO-COMUNAL & NON-TRANSIENT	0	0	0	0	0%	0	0
	3	QUIMICO ORGANICO TOTAL	0	0	0	0	0%	0	0
		A. A. A.	0	0	0	0	0%	0	0
		COMUNAL PRIVADO	0	0	0	0	0%	0	0
		NO-COMUNAL & NON-TRANSIENT	0	0	0	0	0%	0	0
	4	TURBIDEZ TOTAL	8	69	0	77	10%	561	638
		A. A. A.	1	54	0	55	2%	407	462
		COMUNAL PRIVADO	7	15	0	22	32%	153	175
		NO-COMUNAL & NON-TRANSIENT	0	0	0	0	0%	1	1

DEPARTAMENTO DE SALUD
RESULTADOS DE MUESTRAS TOMADAS
POR LA DIVISION DE AGUA POTABLE FY-14

FECHA	TIPO	MUESTRAS	MUESTRAS POSITIVAS	MUESTRAS NEGATIVAS	MUESTRAS RECHAZADAS	TOTAL DEL MES	PORCIENTO POSITIVO	TOTAL ACUMULADO	TOTAL DEL AÑO
Jun-14	1	BACTERIOLOGIA TOTAL	29	423	0	452	6%	3889	4341
		A. A. A.	6	333	0	339	2%	2853	3192
		COMUNAL PRIVADO	23	74	0	97	24%	859	956
		NO-COMUNAL & NON-TRANSIENT	0	16	0	16	0%	177	193
	2	QUIMICO INORGANICO TOTAL	0	0	0	0	0%	0	0
		A. A. A.	0	0	0	0	0%	0	0
		COMUNAL PRIVADO	0	0	0	0	0%	0	0
		NO-COMUNAL & NON-TRANSIENT	0	0	0	0	0%	0	0
	3	QUIMICO ORGANICO TOTAL	0	0	0	0	0%	0	0
		A. A. A.	0	0	0	0	0%	0	0
		COMUNAL PRIVADO	0	0	0	0	0%	0	0
		NO-COMUNAL & NON-TRANSIENT	0	0	0	0	0%	0	0
	4	TURBIDEZ TOTAL	1	62	0	63	2%	638	701
		A. A. A.	0	47	0	47	0%	462	509
		COMUNAL PRIVADO	1	15	0	16	6%	175	191
		NO-COMUNAL & NON-TRANSIENT	0	0	0	0	0%	1	1

FECHA	TIPO	MUESTRAS	MUESTRAS POSITIVAS	MUESTRAS NEGATIVAS	MUESTRAS RECHAZADAS	TOTAL DEL MES	PORCIENTO POSITIVO	TOTAL ACUMULADO	TOTAL DEL AÑO
Jul-14	1	BACTERIOLOGIA TOTAL	34	413	0	447	8%	4341	4788
		A. A. A.	5	326	0	331	2%	3192	3523
		COMUNAL PRIVADO	29	72	0	101	29%	956	1057
		NO-COMUNAL & NON-TRANSIENT	0	15	0	15	0%	193	208
	2	QUIMICO INORGANICO TOTAL	0	0	0	0	0%	0	0
		A. A. A.	0	0	0	0	0%	0	0
		COMUNAL PRIVADO	0	0	0	0	0%	0	0
		NO-COMUNAL & NON-TRANSIENT	0	0	0	0	0%	0	0
	3	QUIMICO ORGANICO TOTAL	0	0	0	0	0%	0	0
		A. A. A.	0	0	0	0	0%	0	0
		COMUNAL PRIVADO	0	0	0	0	0%	0	0
		NO-COMUNAL & NON-TRANSIENT	0	0	0	0	0%	0	0
	4	TURBIDEZ TOTAL	10	66	0	76	13%	701	777
		A. A. A.	7	46	0	53	13%	509	562
		COMUNAL PRIVADO	3	18	0	21	14%	191	212
		NO-COMUNAL & NON-TRANSIENT	0	2	0	2	0%	1	3

DEPARTAMENTO DE SALUD
RESULTADOS DE MUESTRAS TOMADAS
POR LA DIVISION DE AGUA POTABLE FY-14

FECHA	TIPO	MUESTRAS	MUESTRAS POSITIVAS	MUESTRAS NEGATIVAS	MUESTRAS RECHAZADAS	TOTAL DEL MES	PORCIENTO POSITIVO	TOTAL ACUMULADO	TOTAL DEL AÑO
Aug-14	1	BACTERIOLOGIA TOTAL	49	428	0	477	10%	4788	5265
		A. A. A.	2	306	0	308	1%	3523	3831
		COMUNAL PRIVADO	44	95	0	139	32%	1057	1196
		NO-COMUNAL & NON-TRANSIENT	3	27	0	30	10%	208	238
	2	QUIMICO INORGANICO TOTAL	0	0	0	0	0%	0	0
		A. A. A.	0	0	0	0	0%	0	0
		COMUNAL PRIVADO	0	0	0	0	0%	0	0
		NO-COMUNAL & NON-TRANSIENT	0	0	0	0	0%	0	0
	3	QUIMICO ORGANICO TOTAL	0	0	0	0	0%	0	0
		A. A. A.	0	0	0	0	0%	0	0
		COMUNAL PRIVADO	0	0	0	0	0%	0	0
		NO-COMUNAL & NON-TRANSIENT	0	0	0	0	0%	0	0
	4	TURBIDEZ TOTAL	10	77	0	87	11%	777	864
		A. A. A.	7	54	0	61	11%	562	623
		COMUNAL PRIVADO	3	21	0	24	13%	212	236
		NO-COMUNAL & NON-TRANSIENT	0	2	0	2	0%	3	5

FECHA	TIPO	MUESTRAS	MUESTRAS POSITIVAS	MUESTRAS NEGATIVAS	MUESTRAS RECHAZADAS	TOTAL DEL MES	PORCIENTO POSITIVO	TOTAL ACUMULADO	TOTAL DEL AÑO
Sep-14	1	BACTERIOLOGIA TOTAL	45	416	4	461	10%	5265	5726
		A. A. A.	8	336	0	344	2%	3831	4175
		COMUNAL PRIVADO	36	66	4	102	35%	1196	1298
		NO-COMUNAL & NON-TRANSIENT	1	14	0	15	7%	238	253
	2	QUIMICO INORGANICO TOTAL	0	0	0	0	0%	0	0
		A. A. A.	0	0	0	0	0%	0	0
		COMUNAL PRIVADO	0	0	0	0	0%	0	0
		NO-COMUNAL & NON-TRANSIENT	0	0	0	0	0%	0	0
	3	QUIMICO ORGANICO TOTAL	0	0	0	0	0%	0	0
		A. A. A.	0	0	0	0	0%	0	0
		COMUNAL PRIVADO	0	0	0	0	0%	0	0
		NO-COMUNAL & NON-TRANSIENT	0	0	0	0	0%	0	0
	4	TURBIDEZ TOTAL	4	72	0	76	5%	864	940
		A. A. A.	0	55	0	55	0%	623	678
		COMUNAL PRIVADO	4	17	0	21	19%	236	257
		NO-COMUNAL & NON-TRANSIENT	0	0	0	0	0%	5	5

RESUMEN DE RESULTADOS BACTERIOLOGICOS
MUESTRAS TOMADAS POR DEPARTAMENTO DE SALUD FY-14
SISTEMAS PUBLICOS DE AGUA

FECHA	REGION	PRASA (A. A. A.)			COMUNAL PRIVADO			NO COMUNAL & NON-TRANSIENT		
		MUESTRAS TOMADAS	MUESTRAS POSITIVAS	% POSITIVO	MUESTRAS TOMADAS	MUESTRAS POSITIVAS	% POSITIVO	MUESTRAS TOMADAS	MUESTRAS POSITIVAS	% POSITIVO
Oct-13	METROPOLITANA	28	1	3.57%	0	0	0.00%	0	0	0.00%
	NORTE	82	0	0.00%	18	7	38.89%	8	0	0.00%
	OESTE	88	0	0.00%	19	8	42.11%	2	0	0.00%
	SUR	128	6	4.69%	54	20	37.04%	10	1	10.00%
	ESTE	43	2	4.65%	2	0	0.00%	0	0	0.00%
	TOTAL DEL MES	369	9	2.44%	93	35	37.63%	20	1	5.00%
	TOTAL ACUMULADO	0	0	0.00%	0	0	0.00%	0	0	0.00%
	TOTAL ACTUAL	369	9	2.44%	93	35	37.63%	20	1	5.00%
Nov-13	METROPOLITANA	27	0	0.00%	0	0	0.00%	0	0	0.00%
	NORTE	75	4	5.33%	17	10	58.82%	5	0	0.00%
	OESTE	86	0	0.00%	10	3	30.00%	1	0	0.00%
	SUR	120	1	0.83%	57	23	40.35%	7	1	14.29%
	ESTE	47	3	6.38%	44	13	29.55%	13	0	0.00%
	TOTAL DEL MES	355	8	2.25%	128	49	38.28%	26	1	3.85%
	TOTAL ACUMULADO	369	9	2.44%	93	35	37.63%	20	1	5.00%
	TOTAL ACTUAL	724	17	2.35%	221	84	38.01%	46	2	4.35%
Dec-13	METROPOLITANA	18	0	0.00%	2	1	50.00%	0	0	0.00%
	NORTE	64	3	4.69%	14	6	42.86%	4	0	0.00%
	OESTE	88	3	3.41%	10	5	50.00%	2	1	50.00%
	SUR	121	3	2.48%	53	19	35.85%	7	1	14.29%
	ESTE	39	9	23.08%	8	2	25.00%	6	1	16.67%
	TOTAL DEL MES	330	18	5.45%	87	33	37.93%	19	3	15.79%
	TOTAL ACUMULADO	724	17	2.35%	221	84	38.01%	46	2	4.35%
	TOTAL ACTUAL	1054	35	3.32%	308	117	37.99%	65	5	7.69%
Jan-14	METROPOLITANA	23	0	0.00%	0	0	0.00%	0	0	0.00%
	NORTE	63	1	1.59%	13	6	46.15%	3	0	0.00%
	OESTE	94	3	3.19%	10	3	30.00%	1	0	0.00%
	SUR	118	2	1.69%	54	19	35.19%	6	1	16.67%
	ESTE	47	2	4.26%	6	0	0.00%	2	0	0.00%
	TOTAL DEL MES	345	8	2.32%	83	28	33.73%	12	1	8.33%
	TOTAL ACUMULADO	1054	35	3.32%	308	117	37.99%	65	5	7.69%
	TOTAL ACTUAL	1399	43	3.07%	391	145	37.08%	77	6	7.79%

RESUMEN DE RESULTADOS BACTERIOLOGICOS
MUESTRAS TOMADAS POR DEPARTAMENTO DE SALUD FY-14
SISTEMAS PUBLICOS DE AGUA

FECHA	REGION	PRASA (A. A. A.)			COMUNAL PRIVADO			NO COMUNAL & NON-TRANSIENT		
		MUESTRAS TOMADAS	MUESTRAS POSITIVAS	% POSITIVO	MUESTRAS TOMADAS	MUESTRAS POSITIVAS	% POSITIVO	MUESTRAS TOMADAS	MUESTRAS POSITIVAS	% POSITIVO
Feb-14	METROPOLITANA	32	0	0.00%	2	1	50.00%	0	0	0.00%
	NORTE	87	2	2.30%	22	10	45.45%	6	0	0.00%
	OESTE	99	7	7.07%	10	4	40.00%	1	0	0.00%
	SUR	120	2	1.67%	55	18	32.73%	11	0	0.00%
	ESTE	43	1	2.33%	38	12	31.58%	14	0	0.00%
	TOTAL DEL MES	381	12	3.15%	127	45	35.43%	32	0	0.00%
	TOTAL ACUMULADO	1399	43	3.07%	391	145	37.08%	77	6	7.79%
	TOTAL ACTUAL	1780	55	3.09%	518	190	36.68%	109	6	5.50%
Mar-14	METROPOLITANA	12	3	25.00%	1	0	0.00%	0	0	0.00%
	NORTE	72	1	1.39%	21	6	28.57%	4	0	0.00%
	OESTE	92	3	3.26%	21	7	33.33%	3	0	0.00%
	SUR	119	3	2.52%	57	20	35.09%	7	0	0.00%
	ESTE	45	2	4.44%	10	3	30.00%	1	0	0.00%
	TOTAL DEL MES	340	12	3.53%	110	36	32.73%	15	0	0.00%
	TOTAL ACUMULADO	1780	55	3.09%	518	190	36.68%	109	6	5.50%
	TOTAL ACTUAL	2120	67	3.16%	628	226	35.99%	124	6	4.84%
Apr-14	METROPOLITANA	26	0	0.00%	2	1	50.00%	0	0	0.00%
	NORTE	71	1	1.41%	17	3	17.65%	8	0	0.00%
	OESTE	84	3	3.57%	19	4	0.00%	2	0	0.00%
	SUR	130	3	2.31%	53	17	32.08%	7	0	0.00%
	ESTE	55	1	1.82%	9	1	11.11%	1	0	0.00%
	TOTAL DEL MES	366	8	2.19%	100	26	26.00%	18	0	0.00%
	TOTAL ACUMULADO	2120	67	3.16%	628	226	35.99%	124	6	4.84%
	TOTAL ACTUAL	2486	75	3.02%	728	252	34.62%	142	6	4.23%
May-14	METROPOLITANA	25	0	0.00%	1	0	0.00%	0	0	0.00%
	NORTE	76	1	1.32%	17	10	58.82%	6	0	0.00%
	OESTE	91	3		19	5	26.32%	2	1	50.00%
	SUR	130	0	0.00%	59	21	35.59%	10	0	0.00%
	ESTE	45	0	0.00%	35	10	28.57%	17	0	0.00%
	TOTAL DEL MES	367	4	1.09%	131	46	35.11%	35	1	2.86%
	TOTAL ACUMULADO	2486	75	3.02%	728	252	34.62%	142	6	4.23%
	TOTAL ACTUAL	2853	79	2.77%	859	298	34.69%	177	7	3.95%

RESUMEN DE RESULTADOS BACTERIOLOGICOS
MUESTRAS TOMADAS POR DEPARTAMENTO DE SALUD FY-14
SISTEMAS PUBLICOS DE AGUA

FECHA	REGION	PRASA (A. A. A.)			COMUNAL PRIVADO			NO COMUNAL & NON-TRANSIENT		
		MUESTRAS TOMADAS	MUESTRAS POSITIVAS	% POSITIVO	MUESTRAS TOMADAS	MUESTRAS POSITIVAS	% POSITIVO	MUESTRAS TOMADAS	MUESTRAS POSITIVAS	% POSITIVO
Jun-14	METROPOLITANA	14	0	0.00%	1	0	0.00%	0	0	0.00%
	NORTE	74	3	4.05%	19	7	36.84%	6	0	0.00%
	OESTE	89	2	2.25%	21	5	23.81%	2	0	0.00%
	SUR	118	0	0.00%	49	10	20.41%	6	0	0.00%
	ESTE	44	1	2.27%	7	1	14.29%	2	0	0.00%
	TOTAL DEL MES	339	6	1.77%	97	23	23.71%	16	0	0.00%
	TOTAL ACUMULADO	2853	79	2.77%	859	298	34.69%	177	7	3.95%
	TOTAL ACTUAL	3192	85	2.66%	956	321	33.58%	193	7	3.63%
Jul-14	METROPOLITANA	17	0	0.00%	1	0	0.00%	0	0	0.00%
	NORTE	78	3	3.85%	11	6	54.55%	5	0	0.00%
	OESTE	81	0	0.00%	21	7	33.33%	1	0	0.00%
	SUR	119	1	0.84%	53	15	28.30%	7	0	0.00%
	ESTE	36	1	2.78%	15	1	6.67%	2	0	0.00%
	TOTAL DEL MES	331	5	1.51%	101	29	28.71%	15	0	0.00%
	TOTAL ACUMULADO	3192	85	2.66%	956	321	33.58%	193	7	3.63%
	TOTAL ACTUAL	3523	90	2.55%	1057	350	33.11%	208	7	3.37%
Aug-14	METROPOLITANA	2	0	0.00%	1	0	0.00%	0	0	0.00%
	NORTE	64	1	1.56%	18	6	33.33%	5	0	0.00%
	OESTE	89	0	0.00%	20	6	30.00%	1	0	0.00%
	SUR	114	0	0.00%	61	23	37.70%	10	1	10.00%
	ESTE	39	1	2.56%	39	9	23.08%	14	2	14.29%
	TOTAL DEL MES	308	2	0.65%	139	44	31.65%	30	3	10.00%
	TOTAL ACUMULADO	3523	90	2.55%	1057	350	33.11%	208	7	3.37%
	TOTAL ACTUAL	3831	92	2.40%	1196	394	32.94%	238	10	4.20%
Sep-14	METROPOLITANA	19	0	0.00%	1	0	0.00%	0	0	0.00%
	NORTE	63	2	3.17%	13	3	23.08%	6	1	16.67%
	OESTE	85	1	1.18%	21	7	33.33%	1	0	0.00%
	SUR	122	4	3.28%	60	24	40.00%	6	0	0.00%
	ESTE	55	1	1.82%	7	2	28.57%	2	0	0.00%
	TOTAL DEL MES	344	8	2.33%	102	36	35.29%	15	1	6.67%
	TOTAL ACUMULADO	3831	92	2.40%	1196	394	32.94%	238	10	4.20%
	TOTAL FY-14	4175	100	2.40%	1298	430	33.13%	253	11	4.35%

**ATTACHMENT 4: PRASA Compliance
Bacteriology Monitoring**

RESUMEN DE RESULTADOS BACTERIOLOGICOS
MUESTRAS TOMADAS POR PRASA FY-14
SISTEMAS PRASA

FECHA	REGION	MUESTRAS TOMADAS	MUESTRAS POSITIVAS	% POSITIVO
Oct-13	SAN JUAN	276	0	0.00%
	BAYAMON	132	0	0.00%
	ARECIBO	827	8	0.97%
	MAYAGUEZ	554	6	1.08%
	PONCE	508	7	1.38%
	GUAYAMA	378	0	0.00%
	HUMACAO	614	0	0.00%
	TOTAL DEL MES	3289	21	0.64%
	TOTAL ACUMULADO	0	0	0.00%
	TOTAL ACTUAL	3289	21	0.64%
Nov-13	SAN JUAN	308	0	0.00%
	BAYAMON	154	3	1.95%
	ARECIBO	812	3	0.37%
	MAYAGUEZ	553	2	0.36%
	PONCE	528	6	1.14%
	GUAYAMA	391	1	0.26%
	HUMACAO	622	2	0.32%
	TOTAL DEL MES	3368	17	0.50%
	TOTAL ACUMULADO	3289	21	0.64%
	TOTAL ACTUAL	6657	38	0.57%
Dec-13	SAN JUAN	311	1	0.32%
	BAYAMON	138	4	2.90%
	ARECIBO	812	5	0.62%
	MAYAGUEZ	536	9	1.68%
	PONCE	509	6	1.18%
	GUAYAMA	386	7	1.81%
	HUMACAO	622	1	0.16%
	TOTAL DEL MES	3314	33	1.00%
	TOTAL ACUMULADO	6657	38	0.57%
	TOTAL ACTUAL	9971	71	0.71%
Jan-14	SAN JUAN	319	4	1.25%
	BAYAMON	146	0	0.00%
	ARECIBO	828	3	0.36%
	MAYAGUEZ	582	4	0.69%
	PONCE	507	4	0.79%
	GUAYAMA	344	4	1.16%
	HUMACAO	531	3	0.56%
	TOTAL DEL MES	3257	22	0.68%
	TOTAL ACUMULADO	9971	71	0.71%
	TOTAL ACTUAL	13228	93	0.70%

RESUMEN DE RESULTADOS BACTERIOLOGICOS
MUESTRAS TOMADAS POR PRASA FY-14
SISTEMAS PRASA

FECHA	REGION	MUESTRAS TOMADAS	MUESTRAS POSITIVAS	% POSITIVO
Feb-14	SAN JUAN	309	1	0.32%
	BAYAMON	141	0	0.00%
	ARECIBO	811	4	0.49%
	MAYAGUEZ	550	4	0.73%
	PONCE	517	4	0.77%
	GUAYAMA	348	0	0.00%
	HUMACAO	562	0	0.00%
	TOTAL DEL MES	3238	13	0.40%
	TOTAL ACUMULADO	13228	93	0.70%
	TOTAL ACTUAL	16466	106	0.64%
Mar-14	SAN JUAN	315	2	0.63%
	BAYAMON	139	0	0.00%
	ARECIBO	833	4	0.48%
	MAYAGUEZ	550	1	0.18%
	PONCE	551	10	1.81%
	GUAYAMA	392	3	0.77%
	HUMACAO	621	1	0.16%
	TOTAL DEL MES	3401	21	0.62%
	TOTAL ACUMULADO	16466	106	0.64%
	TOTAL ACTUAL	19867	127	0.64%
Apr-14	SAN JUAN	316	1	0.32%
	BAYAMON	139	0	0.00%
	ARECIBO	805	0	0.00%
	MAYAGUEZ	563	6	1.07%
	PONCE	500	5	1.00%
	GUAYAMA	403	1	0.25%
	HUMACAO	643	0	0.00%
	TOTAL DEL MES	3369	13	0.39%
	TOTAL ACUMULADO	19867	127	0.64%
	TOTAL ACTUAL	23236	140	0.60%
May-14	SAN JUAN	307	0	0.00%
	BAYAMON	142	0	0.00%
	ARECIBO	813	0	0.00%
	MAYAGUEZ	543	0	0.00%
	PONCE	509	4	0.79%
	GUAYAMA	416	3	0.72%
	HUMACAO	612	1	0.16%
	TOTAL DEL MES	3342	8	0.24%
	TOTAL ACUMULADO	23236	140	0.60%
	TOTAL ACTUAL	26578	148	0.56%

RESUMEN DE RESULTADOS BACTERIOLOGICOS
MUESTRAS TOMADAS POR PRASA FY-14
SISTEMAS PRASA

FECHA	REGION	MUESTRAS TOMADAS	MUESTRAS POSITIVAS	% POSITIVO
Jun-14				
	SAN JUAN	308	0	0.00%
	BAYAMON	141	0	0.00%
	ARECIBO	878	7	0.80%
	MAYAGUEZ	540	2	0.37%
	PONCE	527	4	0.76%
	GUAYAMA	374	9	2.41%
	HUMACAO	641	5	0.78%
	TOTAL DEL MES	3409	27	0.79%
	TOTAL ACUMULADO	26578	148	0.56%
	TOTAL ACTUAL	29987	175	0.58%
Jul-14	SAN JUAN	309	0	0.00%
	BAYAMON	142	1	0.70%
	ARECIBO	847	1	0.12%
	MAYAGUEZ	548	4	0.73%
	PONCE	517	3	0.58%
	GUAYAMA	434	9	2.07%
	HUMACAO	659	5	0.76%
	TOTAL DEL MES	3456	23	0.67%
	TOTAL ACUMULADO	29987	175	0.58%
	TOTAL ACTUAL	33443	198	0.59%
Aug-14	SAN JUAN	319	3	0.94%
	BAYAMON	143	1	0.70%
	ARECIBO	816	4	0.49%
	MAYAGUEZ	548	4	0.73%
	PONCE	521	5	0.96%
	GUAYAMA	438	14	3.20%
	HUMACAO	654	5	0.76%
	TOTAL DEL MES	3439	36	1.05%
	TOTAL ACUMULADO	33443	198	0.59%
	TOTAL ACTUAL	36882	234	0.63%
Sep-14	SAN JUAN	326	5	1.53%
	BAYAMON	140	1	0.71%
	ARECIBO	835	1	0.12%
	MAYAGUEZ	552	4	0.72%
	PONCE	516	3	0.58%
	GUAYAMA	433	4	0.92%
	HUMACAO	648	1	0.15%
	TOTAL DEL MES	3450	19	0.55%
	TOTAL ACUMULADO	36882	234	0.63%
	GRAN TOTAL	40332	253	0.63%

**ATTACHMENT 5: PRASA Bacteriology
Systems' Violators**

DEPARTAMENTO DE SALUD
DIVISION DE AGUA POTABLE
SISTEMAS PRASA (FY-14)
INTERMITENTES MCL-BACTERIOLOGIA
TOTAL = 19

Pws -ID	SISTEMA	MUNICIPIO
PR0002672	ISABELA	ISABELA
PR0003022	SANAMUERTO	MOROVIS
PR0003222	BAJADERO	ARECIBO
PR0003294	RAFAEL MATIAS	AGUADA
PR0003353	MARICAO	MARICAO
PR0003363	LAS MARIAS	LAS MARIAS
PR0003399	RAMON VALENTIN	MOCA
PR0003872	LARES ESPINO	LARES
PR0003914	COAMO URBANO	COAMO
PR0004044	OROCOVIS URBANO	OROCOVIS
PR0004094	RIO LOCO	GUANICA
PR0004324	PENUELAS	PENUELAS
PR0004404	QUEDRADA	GUAYANILLA
PR0004695	CIDRA URBANO	CIDRA
PR0004705	COMERIO URBANO	COMERIO
PR0004815	MAUNABO URBANO	MAUNABO
PR0004885	SALINAS URBANO	SALINAS
PR0005487	COROZAL URBANO	COROZAL
PR0005587	SABANA HOYOS	VEGA ALTA

**DEPARTAMENTO DE SALUD
DIVISION DE AGUA POTABLE
SISTEMAS PRASA (FY-14)
PERSISTENTES MR-BACTERIOLOGIA
TOTAL = 1**

Pws -ID	SISTEMA	MUNICIPIO
PR0005086	CAGUAS NORTE	CAGUAS

DEPARTAMENTO DE SALUD
DIVISION DE AGUA POTABLE
SISTEMAS PRASA (FY-14)
PERSITENTES MR-BACTERIOLOGIA
TOTAL = 1

Pws -ID	SISTEMA	MUNICIPIO
PR0005086	CAGUAS NORTE	CAGUAS

**DEPARTAMENTO DE SALUD
DIVISION DE AGUA POTABLE
SISTEMAS PRASA (FY-14)
INTERMITENTES MR-BACTERIOLOGIA
TOTAL = 23**

Pws -ID	SISTEMA	MUNICIPIO
PR0003824	PONCE URBANO	PONCE
PR0003834	ARUZ	JUANA DIAZ
PR0004054	GUAYANILLA URBANO	GUAYANILLA
PR0004474	PIEDRAS BLANCAS	GUAYANILLA
PR0004545	AIBONITO LA PLATA	AIBONITO
PR0004605	BARRANQUITAS URBANO	BARRANQUITAS
PR0004614	RUCIO	PENUELAS
PR0004625	BARRANCAS NUEVO	BARRANQUITAS
PR0004635	CAYEY URBANO	CAYEY
PR0004695	CIDRA URBANO	CIDRA
PR0004705	COMERIO URBANO	COMERIO
PR0004845	JACABOAS	PATILLAS
PR0004925	FARALLON	CAYEY
PR0004945	LAS BOCAS	BARRANQUITAS
PR0005046	AGUAS BUENAS URBANO	AGUAS BUENAS
PR0005096	GURABO URBANO	GURABO
PR0005106	SAN LORENZO URBANO	SAN LORENZO
PR0005136	ESPINO	SAN LORENZO
PR0005166	JUNCOS - CEIBA SUR	JUNCOS

Pws -ID	SISTEMA	MUNICIPIO
PR0005306	FAJARDO CEIBA	FAJARDO
PR0005376	LAS PIEDRAS HUMACAO	HUMACAO
PR0005416	JAGUAL	SAN LORENZO
PR0005537	NEGROS	COROZAL

**ATTACHMENT 6: PRASA Turbidity
Systems' Violators**

**DEPARTAMENTO DE SALUD
DIVISION DE AGUA POTABLE
SISTEMAS PRASA (FY-14)
INTERMITENTES MCL-TURBIDEZ
TOTAL = 7**

Pws -ID	SISTEMA	MUNICIPIO
PR0005316	LUQUILLO URBANO	LUQUILLO
PR0005486	MOROVIS	RIO GRANDE
PR0005557	BO. NUEVO	BAYAMON
PR0005316	LUQUILLO URBANO	LUQUILLO
PR0002591	LA PLATA	TOA ALTA
PR0005306	FAJARDO CEIBA NUEVA	FAJARDO
PR0004524	COTO LAUREL CERRILLO	PONCE

Puerto Rico Department of Health
Public Water Supply Supervision Division
PRASA Large Systems (> 50,000)
Lead and Copper Monitoring
Lead Ban 2014

PWSID	System	Req./Tak 1/Tak 2	90 TH percentile Jan-June 2014 Cu (mg/L) AL=1.3	90 TH percentile Jan-June 2014 Pb (mg/L) AL=0.015	90 TH percentile July-Dec. 2014 Cu (mg/L) AL=1.3	90 TH percentile July-Dec. 2014 Pb (mg/L) AL=0.015	Comments
2591	METROPOLITANO	50/56			0.40	0.006	In CCT / Junio-Sept
2652	ARECIBO URBANO	50/65			0.30	0.006	Junio-Sept
2672	ISABELA	30/0					Junio-Sept 2015
2772	VEGA BAJA	30/0					Junio-Sept 2015
3283	MAYAGUEZ	50/0					Junio-Sept 2015
3293	AGUADILLA	50/0					Junio-Sept 2015
3373	CABO ROJO	30/31			0.20	0.006	Junio-Sept 2014
3824	PONCE URBANO	50/71			0.20	0.006	Junio-Sept 2014
4745	GUAYAMA URBANO	30/32			0.20	0.006	Junio-Sept 2014
5086	CAGUAS NORTE	30/30			0.4	0.006	Junio - Sept 2014
5166	JUNCOS URBANO	60/63/64	0.20	0.006	0.20	0.006	Exced EJ2013 In CCT / Regular monitoring
5296	EL YUNQUE	30/31			0.20	0.006	In CCT / Junio-Sept
5306	FAJARDO CEIBA	30/32			0.20	0.006	Junio-Sept Prx 1 cada 3 =2014
5386	RIO BLANCO	60/54/50	MR#067-14 ()	()	MR#039-15 0.224	0.006	In CCT / Regular monitoring

**ATTACHMENT 7: Non PRASA Bacteriology
Systems' Violators**

**DEPARTAMENTO DE SALUD
DIVISION DE AGUA POTABLE
SISTEMAS NON-PRASA FY-14
PERSISTENTES MCL-BACTERIOLOGIA
TOTAL = 8**

Pws -ID	SISTEMA	MUNICIPIO
PR0207042	ARROZAL - LOS MUERTOS	ARECIBO
PR0238012	ZAMAS	JAYUYA
PR0302053	COM. AISLADA EN DESARROLLO	AGUADA
PR0401034	PELLEJAS	ADJUNTAS
PR0458194	ANON CARMELITA	PONCE
PR0613266	BORINQUEN-PRADERAS	CAGUAS
PR0640026	AMGEN (AML-23)	JUNCOS
PR0666036	LOS DIAZ	SAN LORENZO

**DEPARTAMENTO DE SALUD
DIVISION DE AGUA POTABLE
SISTEMAS NON-PRASA FY-14
INTERMITENTES MCL-BACTERIOLOGIA
TOTAL = 46**

Pws -ID	SISTEMA	MUNICIPIO
PR0238022	SANTA ROSA	JAYUYA
PR0302013	COMUNIDAD GABINO NEGRON	AGUADA
PR0302063	COM. CERRO GORDO SEC.EL PARQUE	AGUADA
PR0303013	JARDIN DEL ATLANTICO	AGUADILLA
PR0306023	CORCOBADA	ANASCO
PR0306053	ACUED. RURAL BO HATILLO AÑASCO	ANASCO
PR0351023	SONADOR II	SAN SEBASTIAN
PR0364013	PERICHE	SAN GERMAN
PR0364043	COM. RIO PIEDRAS	SAN GERMAN
PR0401024	GUILARTE HELECHALES	ADJUNTAS
PR0401074	SECTOR LOS HERNANDEZ	ADJUNTAS
PR0401294	ASOCIACION ACUEDUCTO REVENTON	ADJUNTAS
PR0422014	ASOCIACION RESIDENTE SAN DIEGO	COAMO
PR0422084	COAMO ARRIBA	COAMO
PR0455314	CORPORACION SALTOS PELLEJA	OROCOVIS
PR0458264	ACD. COMUNAL RIO CHIQUITO	PONCE
PR0478044	CERROTE	YAUCO

Pws -ID	SISTEMA	MUNICIPIO
PR0510225	ACUED. CANABON SECT. EL PARQUE	BARRANQUITAS
PR0518075	VECINOS COMUNIDAD LUIS LEBRON	CAYEY
PR0518105	ASOC. VILLAS GUAVATE	CAYEY
PR0521025	CARRASQUILLO	CIDRA
PR0521035	PELEGRIN SANTO	CIDRA
PR0523055	COMUNIDAD MAISONET	COMERIO
PR0556085	APEADERO	PATILLAS
PR0556115	COMUNIDAD JAGUAL	PATILLAS
PR0604016	LAS CORUJAS	AGUAS BUENAS
PR0604056	SECTOR TIZA	AGUAS BUENAS
PR0604076	COMUNIDAD-MADRIGUERA	AGUAS BUENAS
PR0604176	ACUED. COMUNAL EL LLANO	AGUAS BUENAS
PR0613056	LOS VELAZQUEZ	CAGUAS
PR0613106	SECTOR LOZADA Y POZO DULCE	CAGUAS
PR0613246	USUARIOS POZO PROFUNDO	CAGUAS
PR0613256	PINAS-BEATRIZ II	CAGUAS
PR0613366	ACUED. COM. SECTOR LA SIERRA	CAGUAS
PR0644076	LIJAS	LAS PIEDRAS
PR0644136	ACUED. RURAL MONTONES 4	LAS PIEDRAS
PR0653026	COM. RANCHO GRANDE	NAGUABO

Pws -ID	SISTEMA	MUNICIPIO
PR0666016	ASOC. VECINO SECTOR OQUENDO	SAN LORENZO
PR0666056	LA CUCHILLA	SAN LORENZO
PR0666076	QUEMADOS II SEC. VICENTE	SAN LORENZO
PR0666086	CORPORACION SEC. CANTERA	SAN LORENZO
PR0666106	EL CERRO	SAN LORENZO
PR0666126	ACUED. COM. EDEM	SAN LORENZO
PR0724027	MANA I	COROZAL
PR0724147	COMUNIDAD SANTANA	COROZAL
PR0724157	COM. MANA SECTOR FRANK LOZADA	COROZAL

**DEPARTAMENTO DE SALUD
DIVISION DE AGUA POTABLE
SISTEMAS NON-PRASA FY-14
PERSISTENTES MR-BACTERIOLOGIA
TOTAL = 153**

Pws -ID	SISTEMA	MUNICIPIO
PR0115011	CUBUY-MARINE	CANOVANAS
PR0115031	FINCA LOS GARCIA	CANOVANAS
PR0132021	LOMAS VERDES (WATCH TOWER)	GUAYNABO
PR0207002	CAMPAMENTO PENAL SABANA HOYOS	ARECIBO
PR0209102	CRUCE DAVILA DEVELOPMENT LLC	BARCELONETA
PR0220032	ACUED. LAS DELICIAS	CIALES
PR0220042	POZO AZUL, CORP.	CIALES
PR0238002	ALTURAS PIZA	JAYUYA
PR0238032	ALTURAS DE COLLORES	JAYUYA
PR0238072	SANTA BARBARA	JAYUYA
PR0238082	VEGUITAS GRIPINAS	JAYUYA
PR0238122	SANTA BARBARA II	JAYUYA
PR0242012	LUCAS LUGO	LARES
PR0242032	ACUED. HACIENDA PLANELL	LARES
PR0242042	ACUED. DE LA COMUNIDAD	LARES
PR0242052	ASOC. PRO BIENESTAR MAGUEYES	LARES
PR0242062	VEGA ACEVEDO	LARES

Pws -ID	SISTEMA	MUNICIPIO
PR0242122	COM. LAS CUARENTA	LARES
PR0247092	MONASTERIO MADRE DE DIOS	MANATI
PR0272012	VIVI ABAJO	UTUADO
PR0272032	FINCA WILLIAM LUGO	UTUADO
PR0272082	ACUED. LA GRAMA	UTUADO
PR0272102	HACIENDA RULLAN	UTUADO
PR0272142	COMUNIDAD CHORRERAS	UTUADO
PR0272162	LA CASCADA MILAGROSA	UTUADO
PR0272212	TIM RIVERA CASELLAS	UTUADO
PR0272252	SIST. RURAL GRAULAO	UTUADO
PR0272262	VEGUITA	UTUADO
PR0272272	SALTOS CAGUANA	UTUADO
PR0272282	FINCA CARBONELL	UTUADO
PR0272292	ACUED. COMUNAL LA ESTANCIA	UTUADO
PR0302033	QUEBRADA LARGA	AGUADA
PR0302073	ESCUELA ATALAYA	AGUADA
PR0303023	ACUED. CORRECCIONAL GUERRERO	AGUADILLA
PR0306083	HUMATAS DEEP WATER	ANASCO
PR0312043	LA CIEN PLAZA	CABO ROJO
PR0348083	LLANADAS	MARICAO

Pws -ID	SISTEMA	MUNICIPIO
PR0364063	COMUNIDAD MENDEZ	SAN GERMAN
PR0377023	SECTOR LAGUNA	LAS MARIAS
PR0401014	LAS CRUCES	ADJUNTAS
PR0401164	TANAMA COMUNAL	ADJUNTAS
PR0401364	CRUCERO	ADJUNTAS
PR0422074	LA CUESTA	COAMO
PR0431014	PELCHAS	GUAYANILLA
PR0439034	GUARAGUAO	JUANA DIAZ
PR0439044	PORTILLO - MIRAMAR	JUANA DIAZ
PR0455014	DAMIAN ABAJO	OROCOVIS
PR0455044	COM. CACAO - LA SAPIA	OROCOVIS
PR0455114	COM. SABANA	OROCOVIS
PR0455134	PELLEJAS-GALLERA I	OROCOVIS
PR0455214	EL PERICO II	OROCOVIS
PR0455234	DAMIAN ARRIBA	OROCOVIS
PR0455294	COM. SALTOS CABRA	OROCOVIS
PR0455334	COMUNIDAD LIMONES	OROCOVIS
PR0457024	EL MALTILLO	PENUELAS
PR0457044	CORPORACION PRO SALUD Y MEJORA	PENUELAS
PR0457054	PANDURA	PENUELAS

Pws -ID	SISTEMA	MUNICIPIO
PR0457084	COROZAL	PENUELAS
PR0457094	COREA METRALLA	PENUELAS
PR0457114	LA GELPA	PENUELAS
PR0457164	COMITE RESIDENTES SEC. BELLEZA	PENUELAS
PR0458004	LAS MESAS	PONCE
PR0458034	ASOC. CIVICA CULTURAL SOCIOECO	PONCE
PR0458174	SERVICIO DE AGUA	PONCE
PR0458234	EL TESORO	PONCE
PR0458294	ACUEDUCTO FAMILIA TORRES	PONCE
PR0458304	LA CARMELITA	PONCE
PR0458314	EL YUMURI	PONCE
PR0476054	LA JULITA	VILLALBA
PR0476064	VILLA BLANCA	VILLALBA
PR0476124	VACAS II	VILLALBA
PR0476204	SIERRITA	VILLALBA
PR0476224	ACEITUNA I	VILLALBA
PR0476234	ACEITUNA II	VILLALBA
PR0476314	SIERRITA-CAONILLA	VILLALBA
PR0476324	ACEITUNA III	VILLALBA
PR0476334	COMUNIDAD EL FRIO	OROCOVIS

Pws -ID	SISTEMA	MUNICIPIO
PR0478034	LA MONTANA	YAUCO
PR0478054	LA JURADA	YAUCO
PR0478094	MOGOTE	YAUCO
PR0478114	SISTEMA DE AGUA CACAO	YAUCO
PR0505075	ALGARROBO NUEVO	AIBONITO
PR0505085	BAXTER HELTHCARE OF PR	AIBONITO
PR0510125	LA TIZA II	BARRANQUITAS
PR0510145	ACUED. RURAL PALMARITO CINTRON	BARRANQUITAS
PR0510225	ACUED. CANABON SECT. EL PARQUE	BARRANQUITAS
PR0518015	SECTOR PEPE HOYOS	CAYEY
PR0518135	ACUED. BO. CEDRO	CAYEY
PR0523025	PALOMAS II	COMERIO
PR0523125	LA PRIETA CENTRO	COMERIO
PR0530045	LOS BARROS	GUAYAMA
PR0530085	CARITE LAKES	GUAYAMA
PR0549015	QUEBRADA ARENAS	MAUNABO
PR0549085	TALANTE	MAUNABO
PR0549095	SISTEMA DE AGUA MATUYAS BAJO	MAUNABO
PR0556015	MULAS	PATILLAS
PR0556025	BO.REAL	PATILLAS

Pws -ID	SISTEMA	MUNICIPIO
PR0556045	LOS BARROS MARIN	PATILLAS
PR0556075	BO. JACABOA- HIGUERO	PATILLAS
PR0556095	GUARDARRAYA	PATILLAS
PR0556115	COMUNIDAD JAGUAL	PATILLAS
PR0556125	ACUEDUCTO MACHUCHAL	PATILLAS
PR0556135	MULAS SECTOR SOFIA	PATILLAS
PR0556145	MARIN, SECTOR BETANCOURT	PATILLAS
PR0604046	MULITAS CENTRO	AGUAS BUENAS
PR0604066	JUAN ASECIO	AGUAS BUENAS
PR0604086	BAYAMONCITO	AGUAS BUENAS
PR0604096	LAS TORRES ANDINO	AGUAS BUENAS
PR0604176	ACUED. COMUNAL EL LLANO	AGUAS BUENAS
PR0613176	SECTOR LAJITAS	CAGUAS
PR0613196	ASOC. DUEÑOS EL PARAISO	CAGUAS
PR0613376	BUENOS AIRES	CAGUAS
PR0613466	COMUNIDAD VILLA VIGIA	CAGUAS
PR0613496	ASOC. RES. PALMAS DEL TURABO	CAGUAS
PR0613536	ACUED. MORAN DELGADO	CAGUAS
PR0627016	JUAN DIEGO	FAJARDO
PR0633106	LOS VAZQUEZ	GURABO

Pws -ID	SISTEMA	MUNICIPIO
PR0644106	ACUEDUCTO RURAL ASOMANTE 2	LAS PIEDRAS
PR0653016	ASOC. PRO DESARROLLO COMUNAL	NAGUABO
PR0653026	COM. RANCHO GRANDE	NAGUABO
PR0653056	ACUED. DE LA COM. EL DUQUE	NAGUABO
PR0653066	ACD. LOMAS DEL VIENTO-MAIZALES	NAGUABO
PR0661046	BARCELONA	RIO GRANDE
PR0666026	MACANEA / ESPINO	SAN LORENZO
PR0666046	QUEMADO I SEC. LOS ORTIZ	SAN LORENZO
PR0666116	ACUED. COMUNIDAD 18	SAN LORENZO
PR0666136	COMUNIDAD EMMANUELLI	SAN LORENZO
PR0666156	SANTUARIO NUESTRA SEÑORA DEL C	SAN LORENZO
PR0677066	SODOMA	YABUCOA
PR0724077	COMUNIDAD PALMARITO CENTRO	COROZAL
PR0724097	MANA III	COROZAL
PR0724117	COM. ELADIO ANDREU	COROZAL
PR0724127	COMUNIDAD DIVISORIA	COROZAL
PR0754057	COM. ANONES MAYA	NARANJITO
PR0754067	ANONES CENTRO I	NARANJITO
PR0754107	COMUNIDAD NIEVES SANCHEZ	NARANJITO
PR0754127	ACUEDUCTO COMUNIDAD SAN JOSE	NARANJITO

Pws -ID	SISTEMA	MUNICIPIO
PR0754137	COMUNIDAD LA GALLERA	NARANJITO

**DEPARTAMENTO DE SALUD
DIVISION DE AGUA POTABLE
SISTEMAS NON-PRASA FY-14
INTERMITENTES MR-BACTERIOLOGIA
TOTAL = 85**

Pws -ID	SISTEMA	MUNICIPIO
PR0207042	ARROZAL - LOS MUERTOS	ARECIBO
PR0207042	ARROZAL - LOS MUERTOS	ARECIBO
PR0207042	ARROZAL - LOS MUERTOS	ARECIBO
PR0207062	MSD INTERNATIONAL GmbHPRBRANCH	ARECIBO
PR0207062	MSD INTERNATIONAL GmbHPRBRANCH	ARECIBO
PR0207062	MSD INTERNATIONAL GmbHPRBRANCH	ARECIBO
PR0238022	SANTA ROSA	JAYUYA
PR0238022	SANTA ROSA	JAYUYA
PR0302043	LA CEIBA	AGUADA
PR0302043	LA CEIBA	AGUADA
PR0302043	LA CEIBA	AGUADA
PR0302053	COM. AISLADA EN DESARROLLO	AGUADA
PR0302053	COM. AISLADA EN DESARROLLO	AGUADA
PR0302053	COM. AISLADA EN DESARROLLO	AGUADA
PR0302063	COM. CERRO GORDO SEC.EL PARQUE	AGUADA
PR0302063	COM. CERRO GORDO SEC.EL PARQUE	AGUADA
PR0302063	COM. CERRO GORDO SEC.EL PARQUE	AGUADA

Pws -ID	SISTEMA	MUNICIPIO
PR0306023	CORCOBADA	ANASCO
PR0306023	CORCOBADA	ANASCO
PR0306023	CORCOBADA	ANASCO
PR0351023	SONADOR II	SAN SEBASTIAN
PR0364043	COM. RIO PIEDRAS	SAN GERMAN
PR0364043	COM. RIO PIEDRAS	SAN GERMAN
PR0364043	COM. RIO PIEDRAS	SAN GERMAN
PR0367013	ACUD. RURAL GUACIO	SAN SEBASTIAN
PR0367013	ACUD. RURAL GUACIO	SAN SEBASTIAN
PR0367013	ACUD. RURAL GUACIO	SAN SEBASTIAN
PR0367053	ACUEDUCTO RURAL GUADALUPE MART	SAN GEBASTIAN
PR0367053	ACUEDUCTO RURAL GUADALUPE MART	SAN GEBASTIAN
PR0367053	ACUEDUCTO RURAL GUADALUPE MART	SAN GEBASTIAN
PR0401024	GUILARTE HELECHALES	ADJUNTAS
PR0401024	GUILARTE HELECHALES	ADJUNTAS
PR0401234	GARZAS JUNCOS	ADJUNTAS
PR0431044	QUEDRADA HONDA	GUAYANILLA
PR0431044	QUEDRADA HONDA	GUAYANILLA
PR0431044	QUEDRADA HONDA	GUAYANILLA
PR0439024	FORT ALLEN	JUANA DIAZ

Pws -ID	SISTEMA	MUNICIPIO
PR0439024	FORT ALLEN	JUANA DIAZ
PR0455324	SANTO TOMAS DE AQUINO	OROCOVIS
PR0455324	SANTO TOMAS DE AQUINO	OROCOVIS
PR0455324	SANTO TOMAS DE AQUINO	OROCOVIS
PR0478014	BO. RUBIAS	YAUCO
PR0478014	BO. RUBIAS	YAUCO
PR0478064	GUARAGUAO	YAUCO
PR0478064	GUARAGUAO	YAUCO
PR0510115	LOS MUCHOS	BARRANQUITAS
PR0510165	COM. DOÑA MAYO (EL LLANO II)	BARRANQUITAS
PR0518075	VECINOS COMUNIDAD LUIS LEBRON	CAYEY
PR0518075	VECINOS COMUNIDAD LUIS LEBRON	CAYEY
PR0518105	ASOC. VILLAS GUAVATE	CAYEY
PR0518105	ASOC. VILLAS GUAVATE	CAYEY
PR0521025	CARRASQUILLO	CIDRA
PR0521035	PELEGRIN SANTO	CIDRA
PR0521035	PELEGRIN SANTO	CIDRA
PR0523055	COMUNIDAD MAISONET	COMERIO
PR0523055	COMUNIDAD MAISONET	COMERIO
PR0523055	COMUNIDAD MAISONET	COMERIO

Pws -ID	SISTEMA	MUNICIPIO
PR0604036	COMUNIDAD RIVERA	AGUAS BUENAS
PR0604056	SECTOR TIZA	AGUAS BUENAS
PR0604076	COMUNIDAD-MADRIGUERA	AGUAS BUENAS
PR0613036	PARC. NUEVAS CAÑABONCITO ACUED	CAGUAS
PR0613266	BORINQUEN-PRADERAS	CAGUAS
PR0613366	ACUED. COM. SECTOR LA SIERRA	CAGUAS
PR0613416	CAGUAS CENTRUM LIMITED P,S.E.	CAGUAS
PR0619016	SISTEMA DE AGUA ROOSEVELT ROAD	CEIBA
PR0619016	SISTEMA DE AGUA ROOSEVELT ROAD	CEIBA
PR0644076	LIJAS	LAS PIEDRAS
PR0644076	LIJAS	LAS PIEDRAS
PR0666016	ASOC. VECINO SECTOR OQUENDO	SAN LORENZO
PR0666016	ASOC. VECINO SECTOR OQUENDO	SAN LORENZO
PR0666036	LOS DIAZ	SAN LORENZO
PR0666036	LOS DIAZ	SAN LORENZO
PR0666056	LA CUCHILLA	SAN LORENZO
PR0666066	ACUED.COMUNAL SEC. MANUEL DIAZ	SAN LORENZO
PR0666086	CORPORACION SEC. CANTERA	SAN LORENZO
PR0666096	COMUNIDAD SECTOR LOS GOMEZ	SAN LORENZO
PR0666096	COMUNIDAD SECTOR LOS GOMEZ	SAN LORENZO

Pws -ID	SISTEMA	MUNICIPIO
PR0677056	ACUE.JACANAS PIEDRAS BLANCAS I	YABUCOA
PR0677056	ACUE.JACANAS PIEDRAS BLANCAS I	YABUCOA
PR0677056	ACUE.JACANAS PIEDRAS BLANCAS I	YABUCOA
PR0724027	MANA I	COROZAL
PR0724137	COMUNIDAD SECTOR LA RIVIERA	COROZAL
PR0724137	COMUNIDAD SECTOR LA RIVIERA	COROZAL
PR0724137	COMUNIDAD SECTOR LA RIVIERA	COROZAL
PR0724147	COMUNIDAD SANTANA	COROZAL

ATTACHMENT 8: Laboratory Certified Status



September 30, 2014

Mrs. Diana Hernández
Laboratory Director
North Coast Superaqueduct Project, EPA ID #PR00975
P.O. Box 1642
Sabana Hoyos, Puerto Rico 00688-1642

RE: Certification of the Microbiology Water Laboratory

Dear Mrs. Hernández:

Puerto Rico Department of Health (PRDOH) personnel evaluated the PR00975, NCSP's Microbiology Laboratory file for certification status renewal. This is in accordance to the requirements of the Manual for the Certification of Laboratories Analyzing Drinking Water, PRDOH-016-8-90, Revision 13, and the Protocol for the Use of Water Supply Performance Evaluation Samples in the Drinking Water Laboratory Certification Program, PRDOH-016-6-92, Revision 5.1.

Based on the file evaluation and on the acceptable results that were obtained on 2013 – 2014 certification period-required Performance Evaluation Studies WSM0514(Lot #5185-02) and WSM0514(Lot #5185-14) from Phenova, PRDOH is granting the following certification status by parameter/methodology for this laboratory:

<u>PARAMETER</u>	<u>STATUS</u>
Total coliforms [MMO-MUG-Colilert 18, Quanti-Tray 2000 (SM 9223B)]	Certified
E.coli [MMO-MUG-Colilert 18, Quanti-Tray 2000 (SM 9223B)]	Certified

Effective on Tuesday, September 30, 2014.
The certification is valid until October 2, 2015.

Please contact Melba Avilés Avilés at the Hygiene Laboratories Certification Program at (787) 765-2929 ext 3743, fax (787) 274-7751 if you have questions regarding to the laboratory's certification status.

Sincerely,


Ana C. Rius Armendáriz, MD
Secretary

ARA

Cc: Ms. Edna Villanueva
Eng. Javier Torres
Mrs. Donna Ringel

AM08:45-14 NOV '14 RCV. A POTABLE



ESTADO LIBRE ASOCIADO DE
PUERTO RICO
Departamento de Salud

October 17, 2014

Mr. Rafael I. Lebrón Ramos
Laboratory Director
ACUALAB de Puerto Rico, Inc.
EPA Code #PR00015
Road 924, K.M. 2.8
P.O. Box 625
Humacao, Puerto Rico 00661

RE: Certification of the Microbiology Water Laboratory

Dear Mr. Lebrón:

Puerto Rico Department of Health (PRDOH) personnel evaluated the referenced facility file. This is in accordance to the requirements of the Manual for the Certification of Laboratories Analyzing Drinking Water, PRDOH-016-8-90, Revision 13, and the Protocol for the Use of Water Supply Performance Evaluation Samples in the Drinking Water Laboratory Certification Program, PRDOH-016-6-92, Revision 5.1.

Acceptable results were obtained in ERA's Performance Evaluation Studies WS-211, WS-213 and WS-215; and Phenova's WSM0514, analyzed during the previous certification period for the parameter/methodologies evaluated. The PRDOH therefore, is granting the following certification status by parameter/methodology for this laboratory:

<u>PARAMETER</u>	<u>STATUS</u>
Total coliforms [Colilert 18, Quanti-Tray 2000 (SM 9223B)]	Certified
Total coliforms [MMO-MUG (Colilert) (SM 9223B)]	Certified
Total coliforms [MTF (SM 9221B)]	Certified
Fecal Coliforms [EC (SM 9221E)]	Certified
E.coli [Colilert 18, Quanti-Tray 2000 (SM 9223B)]	Certified
E.coli [MMO-MUG (Colilert) (SM 9223B)]	Certified
Heterotrophic Bacteria [HPC (Pour Plate) (SM 9215B)]	Certified

Effective on Friday, October 17, 2014.

The certification is valid until October 21, 2015.

Please contact Melba Avilés Avilés at the Hygiene Laboratories Certification Program at (787) 765-2929 ext 3743, fax (787) 274-7751 if you have questions regarding to the laboratory's certification status.

Sincerely,

Ana C. Ríos Armendáriz, MD
Secretary of Health

ARA

Cc: Ms. Edna Villanueva
Mrs. Donna Ringel
Eng. Javier Torres

AM08:45-14 NOV *14 Rcv. A POTABLE

PO Box 70184 San Juan, PR 00936-8184
Tel. (787) 765-2929
www.salud.gov.pr





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PUERTO RICO
Departamento de Salud

November 20, 2014

Mr. Andreas Saldivar
AMA Analytical Services, Inc.
EPA Lab Code: MD00084
4475 Forbes Boulevard
Lanham, MD 20706

Dear Mr. Saldivar:

On November 2014 Puerto Rico Department of Health (PRDOH) personnel evaluated documents submitted by AMA Analytical Services, MD00084, for the certification by reciprocity of the facility. The process is undertaken in accordance to the requirements of the Manual for the Certification of Laboratories Analyzing Drinking Water, PRDOH-016-8-90, Revision 13, and the Protocol for the Use of Water Supply Performance Evaluation Samples in the Drinking Water Laboratory Certification Program, PRDOH-016-6-92, Revision 5.1.

Based on the evaluation of the documents mentioned herein, NY ELAP Accreditation List issued on April 1, 2014, and effective through April 1, 2015, and NYDOH's NY 371 and NY 376 PT Study evaluation reports, the Puerto Rico Department of Health is granting the following certification status listed by parameter/methodology:

See Enclosed Certification Status List Granted

Effective on Thursday, November 20, 2014.
This certification is valid until December 1, 2015.

Please contact Melba Avilés Avilés at the Hygiene Laboratories Certification Program at (787) 765-2929 ext 3743, fax (787) 274-7751 if you have questions regarding this matter.

Sincerely,


Ana C. Ríos Armendáriz, MD
Secretary

ARA

Enclosure

cc: Mrs. Edna Villanueva
Eng. Javier Torres
Mrs. Donna Ringel
Ms. Dana Nicodemus Hudson



ESTADO LIBRE ASOCIADO DE
PUERTO RICO
Departamento de Salud

March 28, 2014

BY CERTIFIED MAIL

Mr. William Deckelmann
Laboratory Director
American Water Central Laboratory
EPA Code #IL00028
1115 South Illinois Street
Belleville, IL 62220-6349

RE: CERTIFICATION STATUS/TESTING LABORATORY

Dear Mr. Deckelmann:

Puerto Rico Department of Health personnel evaluated American Water Central Laboratory, IL00028, HLCP file for certification renewal. The purpose of this evaluation was to certify the facility by reciprocity in order to conduct chemical source and drinking water analyses, in accordance to the requirements of the Manual for the Certification of Laboratories Analyzing Drinking Water, PRDOH-016-8-90, Revision 13, and the Protocol for the Use of Water Supply Performance Evaluation Samples in the Drinking Water Laboratory Certification Program, PRDOH-016-6-92, Revision 5.1.

Based on the last reviewed listing of accredited analytes issued by the Illinois Environmental Protection Agency of November 25, 2013 (effective November 25, 2013 through October 31, 2014), the performance in ERA's Performance Evaluation (PE) Studies WS-198, WS-204, WS-210, and the last certification granted on February 28, 2013, the PRDOH is granting the following changes in certification status listed by parameter/methodology:

- Calcium Hardness (Calc) and Total Hardness (Calc), using method SM 2340B, and Chromium, using method EPA 200.7 are upgraded to **Certified (C)** because the required 2012 - 2013 certification period PT samples were acceptably analyzed within WS-198 PT study.
- Hexavalent Chromium, using method EPA 218.7 is included as **Certified (C)** because it is within current Illinois Primary Accreditation Status Scope and acceptable results were obtained on WS-210 PT study.
- 1,2,4-Trichlorobenzene, using method EPA 524.2 is downgraded to **Provisionally Certified (P)** because it was failed consecutively on WS-204 and WS-210 PT studies. PRDOH-016-6-92, Revision 5.1, section 3.1.1.1

Mr. William Deckelmann
Laboratory Director
American Water Central Laboratory
EPA Code #IL00028
March 28, 2014
Page 2

See Enclosed Certification Status List Granted

IL00028 must perform a follow-up PT for all downgraded parameters/methodologies within the first 30 days of their 2014 - 2015 Certification Period to recover certification status and avoid further certification downgrading. PRDOH-016-6-92, Revision 5.1, sections 1.4.6, 1.7, 1.9 and 3.1.1.1

Also, IL00028 must notify clients of their Provisionally Certified status on all data reports in which provisionally certified methods/parameters are reported.

Effective on Friday, February 28, 2014.
This certification is valid until March 1, 2015.

Please contact Melba Avilés Avilés at the Hygiene Laboratories Certification Program at (787) 765-2929 ext 3743, fax (787) 274-7751 if you have questions regarding this matter.

Sincerely,



Ana C. Ríos Armendáriz, MD
Secretary

ARA

Enclosure

cc: Ms. Edna Villanueva
✓ Eng. Javier Torres
Mrs. Donna Ringel
Ms. Cindy Nettour



ESTADO LIBRE ASOCIADO DE
PUERTO RICO
Departamento de Salud

December 8, 2014

Mr. Jorge Arrufat
Executive Vice-President
Beckton Environmental Laboratories, Inc.
EPA Code #PR00012
192 Villa Street
Ponce, Puerto Rico 00731

RE: **CERTIFICATION STATUS/TESTING LABORATORY**

Dear Mr. Arrufat:

Puerto Rico Department of Health (PRDOH) personnel evaluated documentation received concerning your facility. The purpose of this evaluation was to certify the facility in order to conduct chemical source and drinking water analyses and determine that the laboratory complied with all Proficiency Testing requirements. The process is undertaken in accordance to the requirements of the Manual for the Certification of Laboratories Analyzing Drinking Water, PRDOH-016-8-90, Revision 13, and the Protocol for the Use of Water Supply Performance Evaluation Samples in the Drinking Water Laboratory Certification Program, PRDOH-016-6-92, Revision 5.1.

Based on the acceptable results obtained on Environmental Resource Associates (ERA) WS-199, WS-216, WS-217, WS-218 and WS-219 Performance Evaluation (PE) Studies, and the last certification granted, by the Puerto Rico Department of Health on December 16, 2013, the PRDOH is granting the following certification status listed by parameter/methodology for this laboratory:

- Dibromochloropropane (DBCP) and Ethylene Dibromide (EDB), using method EPA 504.1 are included as **Certified (C)** because acceptable results were obtained on ERA's WS-199 and on December 5, 2014 supplemental assessment visit.

See Enclosed Certification Status List Granted

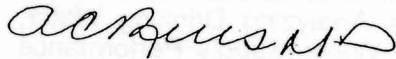
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Mr. Jorge Arrufat
Executive Vice-President
Beckton Environmental Laboratories, Inc.
December 8, 2014
Page 2

Effective on Monday, December 8, 2014.
This certification is valid until January 1st, 2016.

Please contact Melba Avilés Avilés at the Hygiene Laboratories Certification Program at (787) 765-2929 ext 3743, fax (787) 274-7751 if you have questions regarding to the laboratory's certification status.

Sincerely,



Ana C. Rius Armendáriz, MD
Secretary

ARA

Enclosure

Cc: Ms. Edna Villanueva
Eng. Javier Torres
Mrs. Donna Ringel
Ms. Iris Chévere



ESTADO LIBRE ASOCIADO DE
PUERTO RICO
Departamento de Salud

August 28, 2014

Mr. Gerardo Sarriera, P.E., M.E.
President
Environmental Quality
Laboratories, Inc., PR00014
Parque Industrial Minillas
Calle E # 60
Bayamón, Puerto Rico 00956

RE: **CERTIFICATION STATUS/TESTING LABORATORY**

Dear Mr. Sarriera:

Puerto Rico Department of Health (PRDOH) personnel evaluated the laboratory file of this facility for the issuance of certification update. The process is undertaken in accordance to the requirements of the Manual for the Certification of Laboratories Analyzing Drinking Water, PRDOH-016-8-90, Revision 13, and the Protocol for the Use of Water Supply Performance Evaluation Samples in the Drinking Water Laboratory Certification Program, PRDOH-016-6-92 Revision 5.1.

The PR00014's HLCP file and the Environmental Resource Associates (ERA) Performance Evaluation (PE) Studies WS-206, WS-207, WS-208, WS-210, WS-211 and WS-213 were evaluated. Based on the evaluation mentioned herein, and the last certification granted to this facility on August 27, 2013, the PRDOH is granting the following changes in certification status listed by parameter/methodology:

- Calcium, Magnesium, Nickel and Sodium, using method SM 3111B, and Orthophosphate, using method EPA 300.1, are removed from PR00014's Certification status list because no WS-PT samples were analyzed to comply with the 2012-2013 and 2013-2014 Certification Periods. PRDOH-016-6-92, Revision 5.1, sections 1.2.2.1, 1.4.4.1, 1.4.6 and 1.7
- Calcium Hardness (Calc.), using method SM 2340B; Chloride, Fluoride, Nitrate, Nitrite and Sulfate, using method EPA 300.1 are upgraded to **Certified** because a WS-PT, WS-206, was analyzed to comply with PR00014's 2012-2013 Certification Period PT requirements. PRDOH-016-6-92, Revision 5.1, section 1.7
- Corrosivity (Calc.), using method SM 2330B, is included on PR00014's Certification Status List because acceptable results were obtained on WS-213 PT and a certified status is current for TDS, Alkalinity, Ca and pH

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Mr. Gerardo Sarriera
President
EQLab, Inc., PR00014
August 28, 2014
Page 2

See Enclosed Certification Status List Granted

Effective on Thursday, August 28, 2014.
The Certification Period for this laboratory ends on August 31, 2015.

Please contact Melba Avilés Avilés at the Hygiene Laboratories Certification Program at (787) 765-2929 ext 3743, fax (787) 274-7751 if you have questions regarding to the laboratory's certification status.

Sincerely,



Ana C. Riús Armendáriz, MD
Secretary

ARA

Enclosure

Cc: Ms. Edna Villanueva
Eng. Javier Torres
Mrs. Donna Ringel
Mrs. Sonia Pichardo



ESTADO LIBRE ASOCIADO DE
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Departamento de Salud

August 28, 2014

Mr. Gerardo Sarriera, P.E., M.E.
President
Environmental Quality
Laboratories, Inc., PR00014
Box 11458
Santurce, Puerto Rico 00910-1458

RE: ~~Certification of the Microbiology Drinking Water Laboratory~~

Dear Mr. Sarriera:

On August 2014, Puerto Rico Department of Health (PRDOH) personnel evaluated the referenced facility file. This is in accordance to the requirements of the Manual for the Certification of Laboratories Analyzing Drinking Water, PRDOH-016-8-90, Revision 13, and the Protocol for the Use of Water Supply Performance Evaluation Samples in the Drinking Water Laboratory Certification Program, PRDOH-016-6-92.

Acceptable results were obtained in last assessment performed on June 2014 and in ERA's Performance Evaluation Studies WS-206, WS-207, WS-208 and WS-209 analyzed during the previous certification period for the parameter/methodologies evaluated. The PRDOH therefore, is granting the following certification status by parameter/methodology for this laboratory:

<u>PARAMETER</u>	<u>STATUS</u>
Total coliforms [MMO-MUG (Colilert), Colilert 18, Quanti-Tray 2000 (SM 9223B)]	Certified
Total coliforms [M-Endo (SM9222B), MTF (SM 9221B)]	Certified
Fecal Coliforms (EC) (SM 9221E)	Certified
E.coli [MMO-MUG (Colilert), Colilert 18, Quanti-Tray 2000 (SM 9223B)]	Certified
Heterotrophic Bacteria [HPC (Pour Plate) (SM 9215B)]	Certified

Effective on Thursday, August 28, 2014.

The certification period for this laboratory ends on August 31, 2015.

Please contact Melba Avilés Avilés at the Hygiene Laboratories Certification Program at (787) 765-2929 ext. 3743, fax (787) 274-7751 if you have questions regarding to the laboratory's certification status.

Sincerely,

Ana C. Riús Armendáriz, MD
Secretary

ARA

Cc: Mrs. Edna Villanueva
Eng. Javier Torres
Mrs. Donna Ringel

AM08:45-14 NOV '14 Rcv. A POTABLE



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Departamento de Salud

November 10, 2014

Mr. Fred Haley
Laboratory Director
Eurofins Eaton Analytical, Inc.
EPA Code #CA00006
750 Royal Oaks Drive, Suite 100
Monrovia, CA 91016-3629

RE: CERTIFICATION STATUS/TESTING LABORATORY

Dear Mr. Haley:

On October-November 2014 Puerto Rico Department of Health (PRDOH) personnel evaluated documents submitted by Eurofins Eaton Analytical, CA00006. The purpose of this evaluation was to certify the facility by reciprocity in order to conduct chemical source and drinking water analyses, in accordance to the requirements of the Manual for the Certification of Laboratories Analyzing Drinking Water, PRDOH-016-8-90, Revision 13, and the Protocol for the Use of Water Supply Performance Evaluation Samples in the Drinking Water Laboratory Certification Program, PRDOH-016-6-92, Revision 5.1.

Based on the evaluation of the documents herein mentioned, CA-ELAP Accreditation List issued on February 1, 2013, and effective through January 31, 2015, and OR-ELAP Accreditation List issued on January 30, 2014, and effective through January 29, 2015, and ERA's WS-210, WS-213, RAD-96, RAD-98, and NYSDOH's NY-371 PT Studies evaluation reports, the Puerto Rico Department of Health is granting the following certification status listed by parameter/methodology:

See Enclosed Certification Status List Granted

This certification shall be in effect immediately and valid until November 30, 2015.

Please contact Melba Avilés Avilés at the Hygiene Laboratories Certification Program at (787) 765-2929 ext. 3743, fax (787) 274-7751 if you have questions regarding this matter.

Sincerely,

Ana C. Ríos Armendáriz, MD
Secretary

ARA

Enclosure

cc: Edna Villanueva
Javier Torres
Donna Ringel
Nilda Cox

Box 70184 San Juan, PR 00936-8184
Tel. (787) 765-2929
www.salud.gov.pr

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Departamento de Salud

December 8, 2014

Ms. Ana Colón Acevedo, MT
Laboratory Director
Laboratorio Analítico, Inc.
EPA Code #PR00025
El Señorial Condominium
1326 Salud Street, Suite 309-311
Ponce, Puerto Rico 00717-1689

RE: Certification of the Microbiology Water Laboratory

Dear Ms. Colón:

Puerto Rico Department of Health (PRDOH) personnel evaluated the PR00025, Laboratorio Analítico Microbiology Laboratory file for certification status renewal. This is in accordance to the requirements of the Manual for the Certification of Laboratories Analyzing Drinking Water, PRDOH-016-8-90, Revision 13, and the Protocol for the Use of Water Supply Performance Evaluation Samples in the Drinking Water Laboratory Certification Program, PRDOH-016-6-92, Revision 5.1.

Acceptable results were obtained in ERA's Performance Evaluation Studies WS-212 and WS-213 analyzed during the previous certification period, for the parameter/methodologies evaluated. Also, acceptable results were obtained on last laboratory assessment of August 20 & 22, 2014. The PRDOH therefore, is granting the following certification status by parameter/methodology for this laboratory:

<u>PARAMETER</u>	<u>STATUS</u>
Total coliforms [MF (SM 9222B), MTF(SM 9221B)]	Certified
Fecal Coliforms [EC (SM 9221E)]	Certified
Heterotrophic Bacteria [HPC (Pour Plate) (SM 9215B)]	Certified

Effective on Thursday, October 9, 2014.
The certification is valid until October 14, 2015.

Please contact Melba Avilés Avilés at the Hygiene Laboratories Certification Program at (787) 765-2929 ext 3743, fax (787) 274-7751 if you have questions regarding to the laboratory's certification status.

Sincerely,

Ana C. Ríos Armendáriz, MD
Secretary of Health

ARA

Cc: Ms. Edna Villanueva
Eng. Javier Torres
Mrs. Donna Ringel

AM08:19:11 FEB '15 Rev. A POTABLE



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Departamento de Salud

BY CERTIFIED MAIL

Ms. Christine MacMillan
Laboratory Director
National Testing Laboratories, LTD
EPA Code #MI00044
556 S. Mansfield Street
Ypsilanti, MI 48197

RE: CERTIFICATION STATUS/TESTING LABORATORY

Dear Ms. MacMillan:

Puerto Rico Department of Health (PRDOH) personnel evaluated National Testing Laboratories, MI00044, HLCP's file for certification by reciprocity renewal. The process is undertaken in accordance to the requirements of the Manual for the Certification of Laboratories Analyzing Drinking Water, PRDOH-016-8-90, Revision 13, and the Protocol for the Use of Water Supply Performance Evaluation Samples in the Drinking Water Laboratory Certification Program, PRDOH-016-6-92, Revision 5.1.

Based on the evaluation of the documents mentioned herein, MIDEQ Certification and Scope issued on November 27, 2012 and February 27, 2014, effective through November 6, 2015 & LADOH Accreditation List issued on January 1, 2014, effective through December 31, 2014; ERA's WS-208 and Absolute Standards' WS0055, WS0057 PT Studies evaluation reports, and the last certification granted on May 21, 2013 the Puerto Rico Department of Health is granting the following certification status changes by parameter/methodology for this laboratory:

- Alachlor, Atrazine and Simazine, using method EPA 508.1; Pentachlorophenol, using methods EPA 515.2 and 525.2; Methoxychlor, using method EPA 525.2, are downgraded to **Provisionally Certified (P)** because the required 2013-2014 certification period PT samples were not analyzed within the established timeline. PRDOH-016-6-92 Revision 5.1 sections 1.2.2.1, 1.7 and 1.9
- Chromium, using method EPA 200.8 is downgraded to **Provisionally Certified (P)** because not acceptable results were obtained on WS0057 PT sample and no follow-up WS-PT was performed within the required timeline to comply with MI00044's 2013-2014 Certification Period. PRDOH-016-6-92 Revision 5.1 sections 1.2.2.1, 1.7 and 1.9
- 2, 4-D, 2, 4, 5-TP (Silvex), Dalapon, Dinoseb, Pentachlorophenol and Picloram, using method EPA 515.4; Bromate, using method EPA 326.0 are included as **Certified (C)** because these parameters/methodologies are within current MIDEQ and LADOH Accreditation Status Scopes and acceptable results were obtained on WS0055.
- TDS (180°), using method SM 2540C is upgraded to **Certified (C)** because acceptable results were obtained on WS0055 and WS0057 PT samples analyzed to comply with MI00044's 2012-2013, and 2013-2014 Certification Periods. PRDOH-016-6-92 Revision 5.1 sections 1.2.2.1, 1.7 and 1.9
- Silica, using method EPA 200.7 is upgraded to **Certified (C)** because acceptable results were obtained on follow-up WS0055 PT sample analyzed to comply with MI00044's 2012-2013 Certification Period. PRDOH-016-6-92 Revision 5.1 sections 1.2.2.1, 1.7 and 1.9

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Tel. (787) 765-2929

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Departamento de Salud

Ms. Christine MacMillan
Laboratory Director
National Testing Laboratories, LTD
EPA Code #MI00044
May 30, 2014
Page 2

- Endrin, using method EPA 525.2 is upgraded to Certified (C) because acceptable results were obtained on WS-208 and WS-0057 PT samples analyzed to comply with MI00044's 2012-2013 and 2013-2014 Certification Periods. PRDOH-016-6-92 Revision 5.1 sections 1.2.2.1, 1.7 and 1.9

See Enclosed Certification Status List Granted


MI00044 must perform an acceptable follow-up PT for each downgraded parameter/methodology within the first 30 days of their 2014-2015 certification period to avoid further certification status downgrading. PRDOH-016-6-92, Revision 5.1, sections 1.2.2.1, 1.4.4, 1.4.6, 1.7, 1.9

Also, MI00044 must notify clients of their Provisionally Certified status on all data reports in which provisionally certified methods/parameters are reported. PRDOH-016-6-92, Revision 5.1, section 2.10.3

Please contact Melba Avilés Avilés at the Hygiene Laboratories Certification Program at (787) 765-2929 ext 3743, fax (787) 274-7751 if you have questions regarding this matter.

Effective on Friday, May 30, 2014.
This certification is valid until June 1, 2015.

Sincerely,



Ana C. Rius Armendáriz, MD
Secretary

ARA

Enclosure

cc: Ms. Edna Villanueva
Eng. Javier Torres
Mrs. Donna Ringel
Ms. Christine McMillan



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PUERTO RICO
Departamento de Salud

December 1, 2014

Ms Tina Buttermore
Quality Manager
Pace Analytical Services – Florida, EPA Code FL01264
P. O. Box 468 – 8 East Tower Circle
Ormond Beach, Florida 32175-0468 USA

RE: CERTIFICATION STATUS/TESTING LABORATORY

Dear Ms Buttermore:

Puerto Rico Department of Health (PRDOH) personnel evaluated documentation received concerning Pace Analytical Services – Florida, FL01264. The purpose of this evaluation was to certify the facility by reciprocity in order to conduct chemical source and drinking water analyses. This is in accordance to the requirements of the Manual for the Certification of Laboratories Analyzing Drinking Water, PRDOH-016-8-90, Revision 13, and the Protocol for the Use of Water Supply Performance Evaluation Samples in the Drinking Water Laboratory Certification Program, PRDOH-016-6-92, Revision 5.1.

Based on the evaluation of Florida DOH Accreditation List, revised on July 1, 2014 and ERA's WS-210, WS-211, WS-212, WS-216 and WS-218 PT Studies results, and the last Certification Status granted by the Puerto Rico Department of Health on December 11, 2013, the Department of Health is granting the following changes in certification status listed by parameter/methodology:

- Silica as SiO_2 , using method EPA 200.7 is included as **Certified (C)** because it is included within FLDOH Accredited Analytes List and acceptable results were obtained on ERA's WS-216 PT sample.
- Aluminum, Manganese and Zinc, using method EPA 200.8, and Nitrate and Nitrite, using method EPA 300.0 remain **Not Certified (N)** because no PT sample was analyzed to comply with the 2014 Certification Period (this is a repeated situation, it also occurred within 2011, 2012 & 2013 Certification Periods). PRDOH-016-6-92, Revision 5.1, sections 1.2.2.1, 1.4.4 and 1.7
- PCBs as Arochlors (Screen), using method EPA 508.1; Bromide, using method EPA 300.1; Bromide, using method EPA 300.0 and Silica as SiO_2 , using method SM 4500Si-D are downgraded to **Not Certified (N)** because no PT sample was analyzed to comply with the 2014 Certification Period (this is a repeated situation, it also occurred within 2013 Certification Period). PRDOH-016-6-92, Revision 5.1, sections 1.2.2.1, 1.4.4, 1.4.6, 1.7 and 3.1.2

- TTHMs (Bromoform, Bromodichloromethane, Chlorodibromomethane and Chloroform), using method EPA 524.2 are upgraded to **Certified (C)** because acceptable results were obtained on WS-210, and WS-218 follow-up WS-PT samples. PRDOH-016-6-92, Revision 5.1, sections 1.2.2.1, 1.4.6, 1.7, 3.1.1.1 and 3.1.2
- Atrazin and Endrin, using method EPA 508.1 are upgraded to **Certified (C)** because acceptable results were obtained on WS-210, WS-216 and WS-218 follow-up WS-PT samples. PRDOH-016-6-92, Revision 5.1, sections 1.2.2.1, 1.4.6, 1.7 and 3.1.2
- Dalapon, using method EPA 552.2 and Mercury, using method EPA 200.8 are removed from PRDOH Certification List because these parameters/methodologies are not included within FLDOH's current Accreditation Scope.

See Enclosed Certification Status List Granted

FL01264 must perform an acceptable follow-up PT for each downgraded parameter/methodology within the first 30 days period of their 2015 certification period to recover certified status. PRDOH-016-6-92, Revision 5.1, sections 1.2.2.1, 1.4.4, 1.4.6, 1.7 and 3.1.2

Effective on Monday, December 1, 2014.
This certification is valid until January 1st, 2016.

Please contact Melba Avilés Avilés of the Hygiene Laboratories Certification Program at (787) 765-2929 ext 3743, fax (787) 274-7751 if you have any questions regarding the laboratory's certification status.

Sincerely,



Ana C. Ríos Armendáriz, MD
SECRETARY

ARA

Enclosure

Cc: Edna Villanueva
~~Javier Torres~~
Donna Ringel
Lynn Baylor



ESTADO LIBRE ASOCIADO DE
PUERTO RICO
Departamento de Salud

December 3, 2014

Mr. James Nelligan
Senior General Manager
Pace Analytical Services, Inc.
1638 Roseytown Road
Suites 2,3 & 4
Greensburg, PA 15601

Dear Mr. Nelligan:

Puerto Rico Department of Health (PRDOH) personnel evaluated documents submitted by Pace Analytical Services Laboratory, PA01457, for the certification by reciprocity of the facility. The process is undertaken in accordance to the requirements of the Manual for the Certification of Laboratories Analyzing Drinking Water, PRDOH-016-8-90, Revision 13, and the Protocol for the Use of Water Supply Performance Evaluation Samples in the Drinking Water Laboratory Certification Program, PRDOH-016-6-92, Revision 5.1.

Based on the evaluation of the documents herein mentioned, PA-DEP Scope of Accreditation List issued on March 1, 2014, and effective through March 31, 2015, and ERA's RAD-96 and RAD-98 PT Studies evaluation reports, the PRDOH is granting the following certification status changes listed by parameter/methodology:

- Gamma Emitters (Barium-133, Cesium-134, Cesium-137, Cobalt-60 and Zinc-65), using method EPA 901.1, is upgraded to **Certified (C)** because acceptable results were obtained on RAD-96 and RAD-98 WS-PT studies to comply with PA01457's Gamma Emitters by EPA 901.1 2013 and 2014 Certification Periods. PRDOH-016-6-92, Revision 5.1, sections 1.2.2.1, 1.7 and 2.10.1
- Gross Beta, using method EPA 900.0 and Uranium, using method EPA 908.0, are downgraded to **Provisionally Certified (P)** because not acceptable results were obtained on RAD-98 (August 2014) study and no WS-PT follow-up was performed within and beyond the required 60 days period. PRDOH-016-6-92, Revision 5.1, sections 1.2.2.1, 1.4.1, 1.7 and 2.10.3

See Enclosed Certification Status List Granted

Mr. James Nelligan
Pace Analytical Services
Pennsylvania, EPA Code PA01457
December 3, 2014
Page 2

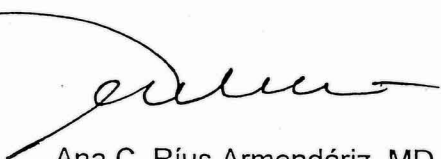
PA01457 must perform an acceptable follow-up PT for Uranium by EPA 908.0 and for Gross Beta by EPA 900.0 within the first 60 days of their 2015 certification period to avoid further certification status downgrading.

Also, PA01457 must notify clients of their Provisionally Certified status on all data reports in which provisionally certified methods/parameters are reported. PRDOH-016-6-92, Revision 5.1, section 2.10.3

Effective on Wednesday, December 3, 2014.
This certification shall be valid until January 1, 2016.

Please contact Melba Avilés Avilés at the Hygiene Laboratories Certification Program at (787) 765-2929 ext 3743, fax (787) 274-7751 if you have questions regarding this matter.

Sincerely,



Ana C. Ríos Armendáriz, MD
Secretary of Health

ARA

Enclosure

cc: Edna Villanueva
Javier Torres
Donna Ringel
Nasreen K. DeRubeis



ESTADO LIBRE ASOCIADO DE
PUERTO RICO
Departamento de Salud

February 3, 2015

BY CERTIFIED MAIL

Ms. Sarah Cherney
Pace Analytical Services, Inc.
EPA ID-MN00064
1700 Elm Street
Suite 200
Minneapolis, MN 55414

Dear Ms. Cherney:

Puerto Rico Department of Health (PRDOH) personnel evaluated Pace Analytical Services Laboratory, MN00064 file to update facility certification by reciprocity. The process is undertaken in accordance to the requirements of the Manual for the Certification of Laboratories Analyzing Drinking Water, PRDOH-016-8-90, Revision 13, and the Protocol for the Use of Water Supply Performance Evaluation Samples in the Drinking Water Laboratory Certification Program, PRDOH-016-6-92, Revision 5.1.

Based on the last reviewed listing of accredited analytes issued by the Minnesota Department of Health on September 26, 2014, the performance in Environmental Resource Associates Performance Evaluation PT Studies WS-210, WS-211, WS-216 and WS-217, and the last certification granted on January 24, 2014, the PRDOH is granting the following certification status listed by parameter/methodology for this laboratory:

- 2,3,7,8-Tetrachlorodibenzo-p-dioxin, using method EPA 1613 is upgraded to Certified (C) because acceptable results were obtained on WS-210 follow-up PT performed as required February 2014.

See Enclosed Certification Status List Granted

Effective on Friday, January 30, 2015.
This certification is valid until January 30, 2016.

PM0353-27 FEB '15 REV. A POTABLE

Ms. Sarah Cherney
Laboratory Director
Pace Analytical Services, Inc.
EPA Code #MN00064
February 3, 2015
Page 2

Please contact Melba Avilés Avilés at the Hygiene Laboratories Certification Program at (787) 765-2929 ext 3743, fax (787) 274-7751 if you have questions regarding this matter.

Sincerely,



Ana C. Ríos Armendáriz, MD
SECRETARY

ARA

Enclosure

cc: Edna Villanueva
~~Javier Torres~~
Donna Ringel
Melanie Ollila



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PUERTO RICO
Departamento de Salud

December 8, 2014

Mr. Todd Baumgartner
Laboratory Director
TestAmerica-Savannah Laboratories
EPA Code #GA00006
5102 Laroche Ave.
Savannah, GA 31404 USA

Dear Mr. Baumgartner:

Puerto Rico Department of Health (PRDOH) personnel evaluated the documents received from your facility. The purpose of this evaluation is to certify the facility by reciprocity to conduct chemical source and drinking water analyses. The process is undertaken in accordance to the requirements of the Manual for the Certification of Laboratories Analyzing Drinking Water, PRDOH-016-8-90, Revision 13, and the Protocol for the Use of Water Supply Performance Evaluation Samples in the Drinking Water Laboratory Certification Program, PRDOH-016-6-92, Revision 5.1.

Based on the last reviewed listing of accredited analytes issued by the Florida Department of Health of July 1, 2014 (effective July 1, 2014 through June 30, 2015), the performance in Phenova's Performance Evaluation (PE) Studies WS0114, WS0414, WS0714, and the last certification granted on December 16, 2013, the PRDOH is granting the following changes in certification status listed by parameter/methodology:

- Barium, using method EPA 200.8 and UV₂₅₄, using method SM 5910B are downgraded to **Provisionally Certified (P)** because they were failed on WS0714 and no follow-up WS-PT samples were analyzed within the 2014 Certification Period timeframe. (PRDOH-016-6-92, Revision 5.1, sections 1.2.2.1, 1.4.4, 1.4.6, 1.4.7, 1.7 and 1.9)
- Barium, using method EPA 200.7 is downgraded to **Not Certified (N)** because no WS-PT samples were analyzed to comply with 2013 & 2014 periods within 2014 Certification Period as required. (PRDOH-016-6-92, Revision 5.1, sections 1.2.2.1, 1.4.4, 1.4.6, 1.4.7, 1.7 and 1.9)
- Manganese, using method EPA 200.7 and Heptachlor, using method EPA 525.2 are downgraded to **Not Certified (N)** because although a WS-PT sample, WS0714, was analyzed to comply with the 2012 Certification Period, no WS-PT samples were analyzed to comply with the 2013 & 2014 periods within 2014 Certification Period as required. (PRDOH-016-6-92, Revision 5.1, sections 1.2.2.1, 1.4.4, 1.4.6, 1.4.7, 1.7 and 1.9)
- Copper and Zinc, using method EPA 200.7; Endrin, Heptachlor and Methoxychlor, using method EPA 508 and Nitrate and Nitrite, using method EPA 353.2, are downgraded to **Provisionally Certified (P)** because no WS-PT samples were analyzed to comply with their 2014 Certification Period within the required timeframe. (PRDOH-016-6-92, Revision 5.1, sections 1.2.2.1, 1.4.4, 1.4.6, 1.4.7, 1.7 and 1.9)

AM08:19:11 FEB 15 Rev. A POTABLE

Mr. Todd Baumgartner
TestAmerica-Savannah Laboratories
EPA Code #GA00006
December 8, 2014
Page 2

See Enclosed Certification Status List Granted


GA00006 must perform the required follow-up WS-PTs for all downgraded parameters/methodologies to recover certification status or to avoid further certification status downgrading.

Also, GA00006 must notify clients of their Provisionally Certified status on all data reports in which provisionally certified methods/parameters are reported.

Effective on Monday, December 8, 2014.
The certification is valid until January 1st, 2016.

Please contact Melba Avilés Avilés at the Hygiene Laboratories Certification Program at (787) 765-2929 ext. 3743, fax (787) 274-7751 if you have questions regarding this matter.

Sincerely,



Ana C. Ríos Armendáriz, MD
Secretary

ARA

Enclosure

cc: Edna Villanueva
Javier Torres
Donna Ringel
Dianne Mosley
Andrea Teal



May 6, 2014

Mr. Yongtao (Bruce) Li, PhD.
Laboratory Director
UL LLC
EPA Code #IN00035
110 S Hill Street
South Bend, Indiana 46617 USA

RE: CERTIFICATION STATUS/TESTING LABORATORY

Dear Mr. Li:

Puerto Rico Department of Health employees evaluated documentation received concerning your facility for reciprocity certification. The purpose of this evaluation was to certify the facility by reciprocity in order to conduct chemical source and drinking water analyses, in accordance to the requirements of the Manual for the Certification of Laboratories Analyzing Drinking Water, PRDOH-016-8-90, Revision 13, and the Protocol for the Use of Water Supply Performance Evaluation Samples in the Drinking Water Laboratory Certification Program, PRDOH-016-6-92, Revision 5.1.

The Florida Department of Health (FLDOH) Laboratory Scope of Accreditation of February 19, 2014, the Indiana State Department of Health (INDOH) Scope of Certification of October 31, 2012 and ERA's WS-199, RAD-94, WS-204, RAD 96, WS-210, and NYDOH's NY-362R and NY362 PT Studies were evaluated. Based on this evaluation and the last certification granted on March 27, 2013, the Puerto Rico Department of Health is granting the following certification status changes by parameter/methodology:

- Radium-226, using method SM 7500B is upgraded to **Certified (C)** because acceptable results were obtained on follow-up PT study NY-362R.
- Fluoride, using method Technicon 380-75-WE; Carbofuran and Oxamyl, using method EPA 531.1 and Cyanide, using method Lachat 10-204-00-1-X, are removed from PRDOH's Reciprocity Certification Status List because it was requested by IN00035's QAO, Mr. Dale Piechocki and they are no longer within FLDOH's Laboratory Scope of Accreditation.
- Aluminum, Manganese and Silver, using method EPA 200.7, are removed from PRDOH's Reciprocity Certification Status List because they are no longer within FLDOH's Laboratory Scope of Accreditation and no PT studies were performed for 2012 – 2013 and 2013 – 2014 certification periods.
- Fluoride, using method SM 4500F-C, is included as **Certified (C)** because it is within current INDOH and FLDOH Laboratory Scopes of Accreditation and acceptable results were obtained on WS-204 PT study.

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Mr. Yongtao (Bruce) Li, PhD
Laboratory Director
UL LLC
EPA Code #IN00035
May 6, 2014
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- Nitrate, using method EPA 353.2, is downgraded to **Not Certified (N)** because no PT sample was analyzed within April 1, 2013 to April 1, 2014 to comply with IN00035's 2013 – 2014 certification period. This is a repeated deviation to PRDOH-016-6-92, Revision 5.1, sections 1.2.2.1, 1.4.4 and 1.7
- Toxaphene, using method EPA 505, is downgraded to **Provisionally Certified (P)** pending the analysis of a follow-up PT sample analyzed within the first 30 days of the new certification period that starts on April 1, 2014. PRDOH-016-6-92, Revision 5.1, section 1.7

See Enclosed Certification Status List Granted


IN00035 must perform an acceptable follow-up WS-PT for each downgraded parameter/methodology within the required 30 days period of their 2014-2015 certification period to avoid further certification status downgrading and to recover certification. PRDOH-016-6-92, Revision 5.1, sections 1.2.2.1, 1.4.4, 1.7 and 1.9

Also, IN00035 must notify clients of their Provisionally Certified status on all data reports in which provisionally certified methods/parameters are reported. PRDOH-016-6-92, Revision 5.1, section 2.10.3

Effective on Wednesday, March 24, 2014.
This certification is valid until May 6, 2014.

Please contact Melba Avilés Avilés at the Hygiene Laboratories Certification Program at (787) 765-2929 ext. 3743, fax (787) 274-7751 if you have questions regarding this matter.

Sincerely,



Ana C. Ríos Armendáriz, MD
Secretary

ARA

Enclosure

cc: Edna Villanueva
Javier Torres
Donna Ringel
Dale R. Piechocki